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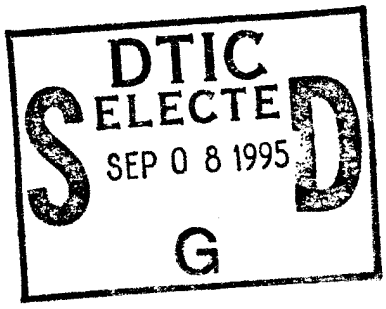
HUMAN AUDITORY RESPONSE TO LOW-LEVEL AIRCRAFT FLYOVER NOISE: RAW DATA



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INTERIM REPORT FOR THE PERIOD JANUARY 1992 TO SEPTEMBER 1993

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TECHNICAL REVIEW AND APPROVAL

AL/CF-TR-1994-0153

The voluntary informed consent of the subjects in this research was obtained as required by Air Force Regulation 169-3.

This report has been reviewed by the Office of Public Affairs (PA) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.

This technical report has been reviewed and is approved for publication.

FOR THE DIRECTOR

Thomas J. Moore

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13. ABSTRACT *(Maximum 200 words)*

Changes in human hearing from exposure to low-flying aircraft noise representative of military training routes were measured during a laboratory study. In Phase 1, subjects were exposed to single flyover noise at levels of 115, 120, 125, and 130 dB(A). In Phase 2, subjects were exposed to eight successive repetitions of a single flyover noise at a level of 125 dB(A) in one session and at a level of 130 dB(A) in a second session. Hearing threshold levels were measured immediately prior to and following each noise exposure. Some subjects experienced small decreases and others small increases in hearing sensitivity following the exposures. The temporary decreases in hearing sensitivity (temporary hearing losses) had disappeared in all subjects by the end of the test session in which they occurred. Overall, the data suggest that within the definitions of the laboratory study, which used worst-case noise exposures relative to real-world exposures, the probability of noise induced hearing loss from low-flying aircraft noise in exposed populations is very small.

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PREFACE

This report represents research that was accomplished in the Bioacoustics and Biocommunications Branch during the period from January 1992 until September 1993. The work was initiated in response to allegations that the noise from low-flying aircraft using military training routes was producing hearing loss in the populations living along the training routes. The work was accomplished in an Air Force biocommunications laboratory where human volunteers were exposed to accurate simulations of real world military training route noise. Results of the study revealed essentially no risk to hearing from the noise exposures and disputed the allegations. The study is of interest because very little research has been accomplished on the effects of this type of brief, high level acoustic stimulus on hearing. This report contains the raw data from the study consisting of the measured hearing threshold levels of the individual subjects in all noise exposure conditions. The data are archived in this way to foster additional analyses and stimulate further research that will augment our understanding of this noise exposure phenonenon.

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INTRODUCTION

Many individuals, both military and civilian, are exposed to noise generated from aircraft flying overhead. Although most exposures receive relatively little attention, some have been alleged to cause undesirable effects on humans. These effects have ranged from reports of psychological annoyance to alleged physiological damage to the auditory system. A laboratory study was designed and implemented to investigate the effect on human hearing sensitivity of exposures to low-level aircraft noise that is representative of military training routes and real world community situations.

The objective of this study was to measure the magnitude of temporary hearing loss, if any, that specific aircraft flyover noises produced in human volunteers. The purpose was to establish relationships between the noise exposures and the auditory system responses. The information derived from the analyses of the data would allow the threat to human hearing of such exposures to be estimated and considered in the management of military aircraft training areas.

This report contains all of the hearing threshold level measurement data collected during the study. Although detailed information about the study is not included, the general procedures of the experiments are described in sufficient detail to allow the reader to interpret the results.

APPROACH

The experimental design was a repeated measures design in which each subject participated in all conditions and acted as her/his own control. Individual subjects were exposed to aircraft flyover noise that had been recorded at a military training route and was presented over a high-intensity sound system for the study. In all cases, the hearing of the subject was measured prior to and immediately following the noise exposure condition. The criterion measure was the difference or change between the pre-exposure and the post-exposure hearing threshold levels. The changes could be an increase in hearing sensitivity, no change, or a temporary decrease in hearing sensitivity called Temporary Threshold Shift (TTS). TTS is a loss of hearing sensitivity which occurs when the ear is exposed to certain levels and durations of a noise and that recovers to pre-exposure hearing levels in a relatively short period of time after cessation of the exposure. Of primary concern was the incidence of the TTS or the temporary decreases in hearing sensitivity in the subject population.

The paradigm called for sequences of single flyover noises to be presented to individual subjects with sufficient time between events to allow hearing thresholds to be measured. The procedure consisted of the alternating sequence of hearing test/flyover

noise/hearing test, etc., until a temporary hearing loss exceeded 10 decibels (dB) or the maximum allowable exposure level of 125 dB(A) or 130 dB(A) was reached. Exposures were experienced with the ears uncovered, and audiometric earphones were used for the measurement of hearing threshold levels. The paradigm was exercised in two phases: the first examined the relative magnitude of the individual stimuli and the second examined the effect of the number of repeat individual exposures on hearing.

In Phase I, a single aircraft flyover noise was presented at a fixed sound pressure level (115 dB(A)) following the determination of pre-exposure or baseline thresholds. After the post-exposure threshold determinations following the 115 dB(A) stimulus, the sound pressure level of the noise exposure was increased a fixed amount (5 dB) and presented to the subject who, again, began threshold determinations immediately following the exposure. This noise exposure/hearing test/noise exposure procedure continued until the subject exhibited a TTS or the maximum level of 130 dB(A) was completed. Hearing threshold levels were always measured immediately following each noise exposure.

In Phase II, immediately following the baseline threshold measurements, a single aircraft flyover noise was presented eight successive times at a specified level (125 dB(A) in session 1), with hearing thresholds measured before and after each of the individual noise exposures using the same sequencing as in Phase I. The single exposure was repeated at the specified level at four-minute intervals until the subject exhibited a TTS or the maximum number of eight exposures was completed without TTS. This procedure was repeated in session 2 with the peak A-weighted level at 130 dB(A). The two levels of flyover noise presented to the subjects in Phase II were 125 dB(A) and 130 dB(A).

In Phase I, post-exposure thresholds at 4000 Hz and 6000 Hz were recorded until the thresholds returned to within 3 dB of the baseline levels or for three and one-half minutes when no significant changes occurred. In Phase II, each of the eight flyover noise presentations was separated by four minutes during which two measures each were made of the 4000 Hz and 6000 Hz test signals. Following the eighth exposure, thresholds continued to be measured until they returned to within 3 dB of the baseline. Subjects whose thresholds had not recovered within five minutes following the eighth exposure were given a brief rest and then threshold measurements were resumed. All subjects had returned to within 3 dB of the baseline at that time.

PROCEDURE

Subjects

Volunteer female and male subjects from the community and the laboratory participated in this experiment. Subjects were provided

information about the nature of the study, the experimental facility, and the overall procedures. After a training period, subjects obtained their hearing thresholds using a modified Bekesy tracking procedure in which the subject controlled the level of the test signal (method of adjustment). All subjects had normal hearing sensitivity determined by pure-tone air-conduction audiometry and normal middle ear function determined by tympanometry. Subjects were paid for their participation.

Instrumentation

The Flyover Noise Simulation Facility test chamber and control room were used for this study. A personal computer based system with customized software was used to control the test stimuli and the data collection. A signal generator and associated circuitry provided the headphones with pulsed pure-tone stimuli in compliance with ANSI S3.6-1984, Specifications for Audiometers. The subjects controlled the continuously changing level of the hearing test stimulus with a hand-held switch which decreased the stimulus level while depressed and allowed the level to increase in the released position.

The aircraft flyover noise exposure stimulus was recorded under an F-4 aircraft traveling at 579 knots at an altitude of 108 feet at a military training route. The flyover noise was transferred to the audio track of a video tape for presentation through programmable attenuators and a graphic equalizer to the loudspeakers. This same flyover noise was utilized for all exposures and was adjusted only in level to provide the four noise conditions of 115, 120, 125, and 130 dB(A). A laboratory microphone was positioned near the head of the subject to record all noise exposures to verify the L_{max} (maximum A-weighted level) of the stimulus experienced by the subject. A pressure time history for each individual flyover noise exposure was recorded at the exposed ear of the subject.

Exposure and Hearing Measurement

An initial audiogram for both ears was determined for pulsed pure-tones at 500, 1000, 2000, 3000, 4000, 6000 and 8000 Hz. During the experiment, pre-exposure and post-exposure threshold levels were measured only at 4000 Hz and 6000 Hz. Subjects were required to demonstrate hearing threshold level measurement consistency at these frequencies with deviations of 3 dB or less on three consecutive trials to qualify as a participant. During the experiment, the two frequencies were alternated at 30-second intervals (each measured for 30 seconds of each minute) to obtain records of changes in hearing at the two frequencies associated with the exposures.

Only one ear of each subject (monaural) was exposed during the experimental noise conditions. The non-test ear was fitted with an

effective earplug before the test began. It was worn throughout all experimental noise exposures. The subject donned the headphones as instructed and, after three minutes, sequentially tracked her/his threshold for the two test frequencies. When the threshold measurements were completed, the subject removed the headphones and the aircraft flyover noise was presented. Immediately following the noise, the subject quickly donned the headset and the threshold determinations were repeated. In Phase I, threshold tracking continued until the threshold levels returned to within 3 dB of the pre-exposure baseline or for a period of 10 minutes. In Phase II, threshold tracking occurred after each exposure for about two minutes, the headphones were removed, and the noise exposure was repeated. This sequence continued until eight exposures were completed or a criterion TTS was observed for the subject. At the end of each experimental session, pure-tone air-conduction thresholds were again measured at the audiometric frequencies from 500 Hz to 8000 Hz. All baseline and post-exposure hearing threshold level data were analyzed in terms of means and standard deviations.

RESULTS

This report contains the raw data collected for each subject in all conditions of the experiment. Appendix A contains the data for Phase I and Appendix B contains data for the Phase II measurements. Descriptive information about each subject is presented at the top of each data set, which consists of two box or rectangular tables. The top box contains the hearing threshold levels measured prior to any noise exposures (PRE) and those measured at the conclusion of all exposures for the particular phase of the study (POST). These measurements were made with a microprocessor-controlled audiometer.

The lower box contains hearing threshold level data for the 4000 Hz and 6000 Hz test stimuli used in the noise exposure phases of the study. The baseline data represent the average hearing threshold levels for the two test signals prior to initiation of a noise exposure. Baselines were measured before each of the four noise exposure conditions of 115 to 130 dB(A) in Phase I. The post-exposure data for each of these conditions were measured at the approximate times indicated in the left column and are the averages of 30-second tracking periods. The initial 30-second period was completed at about 1.00 minute after cessation of the noise; 30 to 40 seconds were required for the subject to don the headset and initiate the responses.

All numbers in the two tables represent hearing threshold levels. Changes in hearing (including TTS when it occurred) were the differences between the baseline and the post-exposure threshold values. For example, in Phase I, the TTS for Subject 1 at 4000 Hz following the 115 dB(A) exposure was 4.5 dB (page 6). The threshold level change from -1.5 dB to 3.0 dB was a decrease in

hearing sensitivity of 4.5 dB. In Phase II, the TTS for Subject 1 at 1.00 minute for 4000 Hz following the first 125 dB(A) exposure was -3.7 dB (page 39). The threshold level change from 2.1 dB to -1.6 dB was an increase in hearing sensitivity of 3.7 dB.

SUMMARY

This report contains hearing threshold level raw data measured for human subjects before and after their exposure to aircraft noise. No analyses or interpretations of the data are included in the document. The data are archived in this form to enable other experimenters to conduct analyses of their choice and to foster additional research on this type of noise exposure.

APPENDIX A

SINGLE FLYOVER DATA

SINGLE FLYOVER
SUBJECT #:1 BDAY:5/20/64 AGE:27 SEX:F
DATE:6/10/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	-5	-5	5	5	0	10	-5	0	-5	0	5	0	5
POST	-5	0	0	5	10	0	10	0	0	-5	0	5	0	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-1.5	-2.8	-1.2	-3.5	-1.5	-2.7	-1.6	-4.6
POST-EXP								
1:00 MIN	3.0		-3.9		-4.0		-0.7	
1:30 MIN		-4.9		-5.3		-1.8		-4.3
2:00 MIN	5.4		-3.4		-0.1		2.2	
2:30 MIN		-3.8		-5.6		-3.5		-5.9
3:00 MIN	2.0		-3.2		-1.0		-0.3	
3:30 MIN		-3.6		-6.0		-2.1		-5.1
4:00 MIN	3.0							
4:30 MIN	1.3							
5:00 MIN	3.9							
5:30 MIN	-0.8							
6:00 MIN	2.1							
6:30 MIN	2.2							
7:00 MIN	-1.5							

SINGLE FLYOVER
SUBJECT #:2 BDAY:2/3/66 AGE:25 SEX:F
DATE:6/10/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	5	10	0	0	0	0	0	5	5	5	5
POST	-5	-5	0	0	5	5	0	0	0	0	0	0	5	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	10.0	-5.9	13.6	-2.0	12.3	-4.1	12.7	-5.8
POST-EXP								
1:00 MIN	9.7		12.0		13.6		12.5	
1:30 MIN		-5.6		-2.3		1.2		-0.9
2:00 MIN	11.1		11.3		10.0		10.6	
2:30 MIN		-5.1		-2.8		2.8		-1.0
3:00 MIN	10.8		11.1		9.8		10.1	
3:30 MIN		-4.6		-4.4		1.8		-0.9
4:00 MIN						1.8		-1.6
4:30 MIN						2.9		-2.5
5:00 MIN						2.3		-1.3
5:30 MIN						1.2		-0.6
6:00 MIN						1.7		0.3
6:30 MIN						1.5		0.2
7:00 MIN						2.0		-5.0

SINGLE FLYOVER
SUBJECT #:3 BDAY:10/18/63 AGE:27 SEX:M
DATE:6/12/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	0	0	-10	-5	-5	-5	0	5	-5	-10	-5	15
POST	-10	0	5	-5	-5	-10	0	-5	0	0	-5	-5	-5	15

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-6.6	-14.7	-7.0	-10.6	-7.0	-10.4	-5.2	-12.3
POST-EXP								
1:00 MIN	-10.8		-3.8		-3.4		-2.5	
1:30 MIN		-16.4		-9.9		-12.6		-10.1
2:00 MIN	-6.4		-2.6		-2.6		-3.7	
2:30 MIN		-16.3		-8.6		-12.8		-10.2
3:00 MIN	-6.8		-3.6		-2.1		-2.6	
3:30 MIN		-15.6		-10.3		-13.4		-9.2
4:00 MIN			-3.7		-2.6			
4:30 MIN			-3.0		-2.7			
5:00 MIN			-5.2		-3.0			
5:30 MIN			-4.7		-2.6			
6:00 MIN			-5.3		-2.0			
6:30 MIN			-4.3		-3.8			
7:00 MIN			-3.6		-2.2			

SINGLE FLYOVER
SUBJECT #:5 BDAY:10/9/66 AGE:24 SEX:F
DATE:6/11/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	0	-5	-5	-5	-5	0	5	0	-10	-5	0	-5
POST	0	5	0	0	0	-5	0	0	5	0	-10	-5	-5	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	0.9	-6.6	2.0	-5.3	-0.4	-4.9	3.9	-4.6
POST-EXP								
1:00 MIN	2.5		2.0		2.3		2.9	
1:30 MIN		-4.9		-4.9		-5.4		-4.8
2:00 MIN	2.3		4.4		0.6		3.3	
2:30 MIN		-6.6		-5.9		-5.9		-4.8
3:00 MIN	3.0		2.8		2.1		3.6	
3:30 MIN		-4.6		-4.2		-6.0		-5.8
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:6 BDAY:1/21/59 AGE:32 SEX:M
DATE:6/19/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	-5	0	10	5	0	0	-5	-5	-5	0	5
POST	-10	-5	5	-5	0	0	-5	0	0	0	-5	-5	0	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	0.7	-6.7	-1.3	-4.8	-0.6	2.6	1.8	-0.2
POST-EXP								
1:00 MIN	1.6		2.5		-1.7		-1.0	
1:30 MIN		-8.1		-9.2		-0.3		3.3
2:00 MIN	2.0		0.0		3.3		0.3	
2:30 MIN		-9.4		-6.3		1.1		0.5
3:00 MIN	1.6		-3.9		-1.3		0.8	
3:30 MIN		-8.3		-1.9		0.1		-3.0
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:7 BDAY:6/23/58 AGE:32 SEX:M
DATE:6/13/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	-5	-10	10	5	-5	0	0	-5	-10	15	10
POST	-10	0	-5	-5	-5	10	5	-5	0	-5	-10	-5	5	10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-2.4	0.4	-2.5	-1.8	-2.9	1.2	-3.7	2.1
POST-EXP								
1:00 MIN	-1.7		-3.0		-1.0		-2.5	
1:30 MIN		-4.2		-6.5		-4.5		-1.1
2:00 MIN	-4.5		-2.3		-4.2		-2.4	
2:30 MIN		-1.2		-6.8		-4.8		-1.2
3:00 MIN	-2.6		-3.3		-2.5		-3.4	
3:30 MIN		-2.7		-5.1		-4.5		2.1
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:8 BDAY:3/10/65 AGE:26 SEX:M
DATE:6/11/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	-5	5	5	0	0	0	-5	5	-5	-5	-10	0	5
POST	0	0	0	0	0	5	5	-5	0	0	-5	0	10	10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-4.1	-0.4	-4.9	-4.3	-2.7	-1.9	-3.0	-0.2
POST-EXP								
1:00 MIN	-6.5		-7.0		-4.7		-1.4	
1:30 MIN		-3.6		-2.7		-0.1		-1.6
2:00 MIN	-6.6		-1.9		-1.9		-0.5	
2:30 MIN		-3.7		-2.5		0.7		-3.2
3:00 MIN	-4.6		-4.3		-3.0		-1.9	
3:30 MIN		-1.0		-3.0		0.0		-2.9
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:10 BDAY:3/10/65 AGE:26 SEX:M
DATE:6/27/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	-5	0	5	-10	-5	-5	10	0	0	-5	0	10
POST	-10	0	0	0	5	-5	0	0	10	0	0	0	10	10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	3.9	-18.3	3.1	-15.3	4.0	-14.1	3.3	-10.8
POST-EXP								
1:00 MIN	3.7		5.9		4.3		7.1	
1:30 MIN		-18.2		-18.7		-15.3		-13.0
2:00 MIN	2.8		7.8		5.8		9.1	
2:30 MIN		-15.2		-16.6		-13.4		-14.1
3:00 MIN	1.6		7.6		7.6		9.4	
3:30 MIN		-15.6		-15.1		-14.0		-14.0
4:00 MIN			8.4		6.4		7.8	
4:30 MIN			6.0				8.6	
5:00 MIN							12.4	
5:30 MIN							6.5	
6:00 MIN							7.2	
6:30 MIN							6.6	
7:00 MIN							6.8	
7:30 MIN							11.0	
8:00 MIN							7.7	
8:30 MIN							7.2	
9:00 MIN							8.2	
9:30 MIN							8.8	
10:00 MIN							14.4	
10:30 MIN							10.3	

SINGLE FLYOVER
SUBJECT #:11 BDAY:6/30/63 AGE:27 SEX:M
DATE:6/21/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	0	5	5	5	15	0	5	5	-5	0	0	5
POST	-5	5	0	0	5	5	10	0	5	0	-5	-5	0	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	5.9	0.9	3.8	-6.9	6.7	0.5	4.3	-4.4
POST-EXP								
1:00 MIN	4.6		5.8		6.6		5.4	
1:30 MIN		-2.2		-9.7		-5.3		0.1
2:00 MIN	4.8		5.0		6.1		5.3	
2:30 MIN		-2.9		-8.6		-6.0		-0.5
3:00 MIN	4.7		4.7		6.4		5.9	
3:30 MIN		-3.8		-8.3		-5.2		-2.3
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:12 BDAY:9/18/64 AGE:26 SEX:M
DATE:6/24/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	5	5	10	15	5	5	15	15	10	15	10	10	0
POST	0	5	0	5	10	10	0	10	10	10	15	10	10	-5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	7.4	-2.1	7.8	-3.8	6.3	1.4	7.5	-0.1
POST-EXP								
1:00 MIN	6.1		8.6		8.3		7.0	
1:30 MIN		-1.8		-2.6		-2.8		1.6
2:00 MIN	4.7		5.2		8.2		6.7	
2:30 MIN		-1.0		-3.4		-3.0		1.3
3:00 MIN	5.4		8.6		9.3		6.0	
3:30 MIN		-0.3		-3.7		-0.6		1.8
4:00 MIN					8.3			
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:13 BDAY:5/1/69 AGE:22 SEX:F
DATE:7/10/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	5	0	-5	-10	-5	0	-5	0	-5	-5	-10	-5	0
POST	-10	5	0	-5	-5	-5	-5	-5	-5	-5	-10	-5	-5	-5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	14.9	-8.3	-13.7	-6.0	-15.4	-8.8	-17.1	-8.6
POST-EXP								
1:00 MIN	-15.5		-16.4		-16.2		-14.8	
1:30 MIN		-7.5		-7.8		-6.5		-5.5
2:00 MIN	-16.0		-16.7		-15.0		-15.3	
2:30 MIN		-6.4		-11.3		-3.0		-5.0
3:00 MIN	-12.8		-17.0		-16.0		-12.0	
3:30 MIN		-8.2		-9.8		-4.0		-6.4
4:00 MIN						-3.0		
4:30 MIN						-3.0		
5:00 MIN						-3.5		
5:30 MIN						-2.5		
6:00 MIN						-2.0		
6:30 MIN						-0.9		
7:00 MIN						-1.7		
7:30 MIN						-3.4		
8:00 MIN						-1.7		
8:30 MIN						-1.7		
9:00 MIN						-1.9		
9:30 MIN						-3.1		
10:00 MIN						-3.8		
10:30 MIN						-4.0		

SINGLE FLYOVER
SUBJECT #:14 BDAY:12/4/68 AGE:22 SEX:M
DATE:7/10/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	5	5	-5	-10	-5	5	10	15	10	15	10	5
POST	-5	0	0	0	0	-5	-10	0	0	5	10	10	5	-10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-0.6	-11.6	0.2	-9.1	0.7	-6.2	-1.7	-8.1
POST-EXP								
1:00 MIN	-9.0		3.3		4.0		0.2	
1:30 MIN		-7.9		-8.3		-10.0		-13.0
2:00 MIN	-0.4		1.8		0.3		-19.0	
2:30 MIN		-13.3		-7.1		-9.6		-3.6
3:00 MIN	-1.3		2.7		2.4		5.4	
3:30 MIN		-9.0		-7.9		-10.3		-9.9
4:00 MIN							1.9	
4:30 MIN							2.0	
5:00 MIN							2.7	
5:30 MIN							2.3	
6:00 MIN							2.4	
6:30 MIN							1.6	
7:00 MIN							1.5	
7:30 MIN							1.6	
8:00 MIN							2.4	
8:30 MIN							0.8	

SINGLE FLYOVER
SUBJECT #:15 BDAY:10/31/68 AGE:22 SEX:F
DATE:7/16/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	-5	0	0	0	-5	10	0	5	0	5	-5	5
POST	0	0	-5	0	0	0	0	5	0	0	-5	0	0	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-0.5	-18.2	1.9	-14.5	2.7	-13.7	0.0	-11.1
POST-EXP								
1:00 MIN	-1.8		-1.1		2.6		-5.7	
1:30 MIN		-16.8		-19.0		-10.4		-14.8
2:00 MIN	-0.6		1.7		2.1		-1.8	
2:30 MIN		-15.9		-17.2		-11.4		-14.0
3:00 MIN	-4.5		-1.5		1.1		-2.5	
3:30 MIN		-17.7		-16.3		-8.3		-14.4
4:00 MIN						-8.3		
4:30 MIN						-12.0		
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:16 BDAY:8/22/70 AGE:20 SEX:M
DATE:7/10/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	0	-5	-5	-5	-5	-10	-5	-10	-5	-5	-5	-5
POST	-10	-5	-5	-5	0	-5	-10	-5	0	-10	-5	-5	-5	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-4.1	-20.0	-1.5	-19.3	-3.9	-20.5	-2.6	-20.9
POST-EXP								
1:00 MIN	-4.4		0.2		-0.9		-0.9	
1:30 MIN		-19.1		-15.6		-20.1		-18.4
2:00 MIN	-5.4		-0.4		-1.8		0.1	
2:30 MIN		-20.4		-14.2		-19.3		-17.1
3:00 MIN	-5.1		0.4		0.6		1.0	
3:30 MIN		-19.4		-14.1		-19.3		-17.0
4:00 MIN				-13.4	-0.9		0.6	
4:30 MIN				-15.0				-17.7
5:00 MIN				-13.9			-1.9	
5:30 MIN				-15.8				-17.3
6:00 MIN				-16.0				-16.3
6:30 MIN				-15.9				-17.5
7:00 MIN				-14.2				-16.6
7:30 MIN				-13.2				-15.5
8:00 MIN				-15.1				-16.6
8:30 MIN				-15.5				-16.3
9:00 MIN				-14.3				-18.0
9:30 MIN				-14.9				
10:00 MIN				-13.3				
10:30 MIN				-13.3				

SINGLE FLYOVER
SUBJECT #:17 BDAY:3/12/70 AGE:21 SEX:M
DATE:7/22/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	-5	-5	0	-5	0	-10	0	0	-5	0	-5	0	-10
POST	-10	-5	-5	0	-10	0	-10	-5	0	-10	-5	0	0	-10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-6.6	2.4	-5.9	-1.3	-8.6	-12.8	-9.2	-6.4
POST-EXP								
1:00 MIN	1.8		-5.9		-5.8		-5.3	
1:30 MIN		-9.6		-5.3		-5.3		-5.1
2:00 MIN	-0.9		-6.3		-7.4		-7.1	
2:30 MIN		-10.6		-6.0		-7.7		-7.1
3:00 MIN	-0.4		-7.3		-6.0		-7.8	
3:30 MIN		-8.8		-5.9		-5.9		-7.8
4:00 MIN	0.0					-6.0		
4:30 MIN	-1.6					-6.8		
5:00 MIN	-0.6					-6.9		
5:30 MIN	0.4					-6.4		
6:00 MIN	-1.0					-6.3		
6:30 MIN	-0.8					-7.1		
7:00 MIN	-0.6					-6.7		
7:30 MIN	-1.4					-5.0		
8:00 MIN	-0.4					-6.4		
8:30 MIN	-1.4					-7.3		
9:00 MIN	-1.1					-7.3		
9:30 MIN	-0.1					-3.6		
10:00 MIN	0.9					-4.9		
10:30 MIN	2.0					-7.5		

SINGLE FLYOVER
SUBJECT #:18 BDAY:12/18/65 AGE:25 SEX:M
DATE:7/17/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	5	5	0	5	0	5	10	5	5	0	15	10	-5
POST	0	5	0	0	5	0	5	5	5	0	-5	10	10	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	2.4	-13.5	1.7	-15.1	3.5	-13.1	4.6	-11.4
POST-EXP								
1:00 MIN	4.5		3.1		5.0		6.4	
1:30 MIN		-8.4		-12.1		-11.9		-7.7
2:00 MIN	3.6		4.1		5.3		3.7	
2:30 MIN		-8.1		-10.6		-11.7		-7.0
3:00 MIN	3.4		3.3		6.5		4.6	
3:30 MIN		-6.7		-12.1		-12.1		-6.9
4:00 MIN		-6.4			5.3			-6.6
4:30 MIN		-6.5						-8.6
5:00 MIN		-6.3						
5:30 MIN		-5.9						
6:00 MIN		-7.0						
6:30 MIN		-5.9						
7:00 MIN		-8.0						
7:30 MIN		-8.4						
8:00 MIN		-7.3						
8:30 MIN		-5.7						
9:00 MIN		-6.5						
9:30 MIN		-6.1						
10:00 MIN		-6.1						
10:30 MIN		-7.3						

SINGLE FLYOVER
SUBJECT #:19 BDAY:8/20/71 AGE:19 SEX:M
DATE:7/8/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	5	5	5	0	0	0	0	5	0	5	5
POST	-10	5	-5	0	0	0	0	-5	0	0	0	0	5	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-0.4	-8.1	-1.1	-8.2	-0.6	-8.8	-2.1	-9.6
POST-EXP								
1:00 MIN	0.8		0.7		0.0		-0.4	
1:30 MIN		-8.1		-9.1		-8.7		-9.7
2:00 MIN	-0.5		0.9		0.1		-0.9	
2:30 MIN		-9.3		-8.2		-7.8		-9.9
3:00 MIN	0.7		-0.8		-0.3		-2.1	
3:30 MIN		-8.1		-9.3		-9.3		-9.6
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:21 BDAY:3/3/67 AGE:24 SEX:F
DATE:7/11/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	-5	0	0	5	5	10	10	0	0	0	-5	-10
POST	0	5	-5	0	-5	0	5	10	5	-5	-5	-5	5	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-7.7	-11.1	-6.6	-9.2	-9.2	-11.7	-7.6	-9.6
POST-EXP								
1:00 MIN	-7.6		-8.8		-7.4		-8.1	
1:30 MIN		-7.8		-14.0		-8.5		-11.8
2:00 MIN	-6.4		-9.0		-6.8		-4.3	
2:30 MIN		-9.3		-8.8		-8.0		-10.6
3:00 MIN	-6.1		-7.6		-6.7		-8.9	
3:30 MIN		-9.4		-10.5		-8.8		-11.3
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:22 BDAY:5/23/68 AGE:23 SEX:F
DATE:7/9/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	-5	-5	-5	-5	-5	0	0	-5	-5	15	-5
POST	-10	0	-10	-5	-5	-5	-5	-5	0	-5	-10	-5	10	-5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-3.8	-12.6	-7.4	-12.6	-5.1	-12.1	-7.8	-11.6
POST-EXP								
1:00 MIN	-3.9		-5.5		-3.5		-3.2	
1:30 MIN		-11.3		-14.9		-12.9		-9.2
2:00 MIN	-6.6		-4.7		-4.5		-4.8	
2:30 MIN		-10.7		-14.1		-9.0		-10.2
3:00 MIN	-2.9		-6.9		-4.4		-4.7	
3:30 MIN		-11.3		-16.0		-10.2		-9.0
4:00 MIN							-3.4	
4:30 MIN							-3.2	
5:00 MIN							-3.2	
5:30 MIN							-4.3	
6:00 MIN							-3.9	
6:30 MIN							-1.9	
7:00 MIN							-2.7	
7:30 MIN							-3.2	
8:00 MIN							-3.8	
8:30 MIN							-4.9	

SINGLE FLYOVER
SUBJECT #:23 BDAY:2/15/71 AGE:20 SEX:M
DATE:7/25/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	-5	10	0	-5	0	0	5	-5	0	-5	-5	-5
POST	-5	5	-5	5	-5	-5	-5	0	0	-5	0	0	0	0

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	6.0	-15.1	4.8	-12.7	9.2	-13.7	2.8	-11.7
POST-EXP								
1:00 MIN	5.0		5.0		0.4		1.8	
1:30 MIN		-14.9		-13.4		-10.0		-8.5
2:00 MIN	3.0		5.8		1.0		3.6	
2:30 MIN		-14.3		-11.4		-10.8		-7.8
3:00 MIN	3.2		7.2		1.6		0.2	
3:30 MIN		-12.1		-10.8		-10.1		-8.7
4:00 MIN								-6.7
4:30 MIN								-6.0
5:00 MIN								-7.0
5:30 MIN								-5.8
6:00 MIN								-7.5
6:30 MIN								-10.5
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:24 BDAY:5/4/72 AGE:19 SEX:M
DATE:7/23/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	10	5	10	5	5	10	0	-5	0	5	10	10
POST	0	0	0	0	5	10	10	0	0	-5	0	5	0	30

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	19.6	-5.0	22.8	-6.6	20.3	-6.6	20.2	-5.8
POST-EXP								
1:00 MIN	22.6		23.5		25.0		23.3	
1:30 MIN		-0.9		-6.7		-6.0		-6.0
2:00 MIN	23.8		21.5		26.0		27.0	
2:30 MIN		0.0		-6.8		-2.0		-7.3
3:00 MIN	23.7		18.3		28.0		24.3	
3:30 MIN		0.4		-5.8		-5.8		-6.1
4:00 MIN	22.8				28.3		22.2	
4:30 MIN		-2.7			24.7			
5:00 MIN	22.4				25.5			
5:30 MIN					25.6			
6:00 MIN					25.1			
6:30 MIN					25.7			
7:00 MIN					24.4			
7:30 MIN					23.7			
8:00 MIN					23.4			
8:30 MIN					26.3			
9:00 MIN					26.2			
9:30 MIN					25.1			
10:00 MIN					23.4			
10:30 MIN					26.7			

SINGLE FLYOVER
SUBJECT #:25 BDAY:6/1/72 AGE:19 SEX:F
DATE:6/27/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	-5	-5	-10	-5	10	5	0	0	-5	-5	-5	0	10
POST	-5	-5	0	-5	-5	5	10	0	-5	-5	-10	0	-5	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-6.4	5.8	-8.1	5.6	-5.7	-2.9	-6.3	1.6
POST-EXP								
1:00 MIN	-5.3		-3.9		-4.9		-5.9	
1:30 MIN		4.3		-1.7		9.7		9.7
2:00 MIN	-4.9		-5.3		-3.8		-6.7	
2:30 MIN		6.1		-1.2		11.1		12.0
3:00 MIN	-4.8		-4.8		-5.1		-7.6	
3:30 MIN		5.7		-1.6		9.7		8.8
4:00 MIN			-4.9			10.6		8.8
4:30 MIN			-4.3			8.4		7.7
5:00 MIN			-5.6			8.1		-1.8
5:30 MIN						9.7		
6:00 MIN						10.5		
6:30 MIN						10.7		
7:00 MIN						9.7		
7:30 MIN						10.2		
8:00 MIN						10.0		
8:30 MIN						8.2		
9:00 MIN						9.6		
9:30 MIN						10.1		
10:00 MIN						7.9		
10:30 MIN						8.8		

SINGLE FLYOVER
SUBJECT #:26 BDAY:11/3/70 AGE:20 SEX:F
DATE:7/9/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	-5	-5	-5	5	10	0	0	-5	0	-5	5	10
POST	-10	0	0	-5	-5	5	5	0	0	-5	-5	-5	10	10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-14.6	0.5	-13.1	-2.2	-13.2	-3.1	-12.4	-0.7
POST-EXP								
1:00 MIN	-15.6		-11.3		-12.3		-10.0	
1:30 MIN		1.4		2.1		-0.6		-0.7
2:00 MIN	-12.6		-12.2		-11.3		-12.1	
2:30 MIN		0.7		-1.3		-0.9		0.2
3:00 MIN	-16.6		-13.1		-13.2		-12.0	
3:30 MIN		1.8		-2.2		-1.2		0.3
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:27 BDAY:7/23/72 AGE:18 SEX:M
DATE:7/9/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	0	-5	-5	-5	-5	5	5	-5	-5	-5	-10	-5
POST	-5	0	-5	-5	-5	-5	-10	5	5	-5	-5	-5	-10	-10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-7.4	-13.4	-8.1	-10.2	-6.0	-14.6	-7.3	-16.3
POST-EXP								
1:00 MIN	-7.0		-7.2		-7.1		-7.0	
1:30 MIN		-11.1		-14.8		-16.2		-12.6
2:00 MIN	-8.3		-5.4		-8.5		-7.8	
2:30 MIN		-6.6		-11.1		-12.6		-17.0
3:00 MIN	-8.5		-6.7		-7.4		-7.8	
3:30 MIN		-9.1		-13.5		-14.3		-12.3
4:00 MIN		-9.2						-12.9
4:30 MIN		-10.3						-16.3
5:00 MIN		-9.8						
5:30 MIN		-6.7						
6:00 MIN		-9.0						
6:30 MIN		-9.6						
7:00 MIN		-9.0						

SINGLE FLYOVER
SUBJECT #:28 BDAY:11/27/71 AGE:19 SEX:M
DATE:7/16/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	5	15	10	15	15	5	0	0	5	5	0	5
POST	-5	5	5	15	10	15	10	0	0	-5	5	5	5	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	10.4	12.2	7.4	9.0	5.9	8.2	3.8	10.3
POST-EXP								
1:00 MIN	5.3		3.7		3.3		2.9	
1:30 MIN		9.0		8.2		5.6		7.9
2:00 MIN	7.0		5.6		6.2		4.0	
2:30 MIN		10.1		7.2		4.2		9.0
3:00 MIN	6.0		2.8		6.0		2.5	
3:30 MIN		8.7		8.3		6.0		10.0
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:29 BDAY:10/23/65 AGE:25 SEX:M
DATE:7/8/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	0	0	-5	-5	-5	0	0	-5	-5	-5	-5	5
POST	-5	5	5	0	-5	0	-5	0	0	-5	-10	-10	-5	-5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-3.1	-9.3	-5.4	-13.3	-3.8	-11.8	0.2	-10.0
POST-EXP								
1:00 MIN	-1.0		0.8		2.0		-2.2	
1:30 MIN		-10.7		-10.6		-10.8		-11.9
2:00 MIN	-0.7		0.3		1.9		-1.9	
2:30 MIN		-11.4		-12.5		-8.6		-9.9
3:00 MIN	-2.5		2.9		2.3		-4.8	
3:30 MIN		-12.2		-12.8		-7.3		-12.2
4:00 MIN			-0.7		1.0			
4:30 MIN			0.7			-10.3		
5:00 MIN			0.7		0.0			
5:30 MIN			0.3		-1.0.			
6:00 MIN			2.0					
6:30 MIN			2.0					
7:00 MIN			1.6					
7:30 MIN			0.3					
8:00 MIN			1.1					
8:30 MIN			0.1					
9:00 MIN			1.4					
9:30 MIN			0.4					
10:00 MIN			2.5					
10:30 MIN			1.0					

SINGLE FLYOVER
SUBJECT #:30 BDAY:10/13/70 AGE:20 SEX:F
DATE:7/8/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	-5	0	5	-5	-5	0	5	0	-10	0	0	5
POST	-5	0	5	5	5	0	-5	0	10	-5	-5	5	-5	-5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	0.0	-4.7	-0.7	-10.9	-3.3	-11.7	-0.9	-1.6
POST-EXP								
1:00 MIN	0.6		-0.5		-3.3		-2.9	
1:30 MIN		-9.9		-10.1		-13.1		-10.3
2:00 MIN	0.6		1.1		-3.0		-2.4	
2:30 MIN		-8.4		-11.4		-12.9		-6.2
3:00 MIN	0.9		0.6		-0.7		-1.3	
3:30 MIN		-6.3		-7.7		-11.7		-8.2
4:00 MIN				-9.1				
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:31 BDAY:8/4/71 AGE:19 SEX:F
DATE:7/24/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	-5	0	0	0	5	0	0	5	0	0	-5	-5
POST	0	0	-5	0	0	0	0	5	0	5	0	-5	-5	-5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	0.4	-5.4	-0.9	-5.3	-2.0	-7.0	-0.4	-6.4
POST-EXP								
1:00 MIN	0.4		0.3		-0.7		1.5	
1:30 MIN		-5.6		-6.3		-6.9		-3.9
2:00 MIN	2.3		-1.6		-2.7		-0.6	
2:30 MIN		-4.8		-6.1		-7.7		-5.7
3:00 MIN	-1.0		-1.1		-2.5		-1.3	
3:30 MIN		-8.2		-7.8		-7.1		-7.1
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

SINGLE FLYOVER
SUBJECT #:32 BDAY:12/5/66 AGE:24 SEX:M
DATE:7/26/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	5	0	-5	10	10	5	5	0	-5	-5	0	0
POST	0	0	5	5	-5	15	15	5	5	-5	-5	-10	0	10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-12.3	-0.6	-4.6	-2.1				
POST-EXP								
1:00 MIN	-4.6		10.9					
1:30 MIN		1.5		9.3				
2:00 MIN	-5.7		9.9					
2:30 MIN		5.5		10.6				
3:00 MIN	-4.3		9.8					
3:30 MIN		6.0		9.6				
4:00 MIN	-3.7		6.8					
4:30 MIN		3.8		9.0				
5:00 MIN	-4.2		8.4					
5:30 MIN		6.7		8.4				
6:00 MIN	-3.8		7.9					
6:30 MIN		6.3		8.9				
7:00 MIN	-2.3		7.0					
7:30 MIN		8.9		7.8				
8:00 MIN	-3.5		5.9					
8:30 MIN		8.6		8.8				
9:00 MIN	-1.7		6.6					
9:30 MIN		8.1		9.0				
10:00 MIN	-1.7		4.2					
10:30 MIN		7.9		9.9				

SINGLE FLYOVER
SUBJECT #:32 BDAY:12/5/66 AGE:24 SEX:M
DATE:7/26/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	5	0	-5	10	10	5	5	0	-5	-5	0	0
POST	0	0	5	5	-5	15	5	5	5	-5	-5	-10	0	10

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE			-4.6	-2.1				
POST-EXP								
19:30 MIN			-10.0					
20:00 MIN				-4.3				
20:30 MIN			-11.8					
21:00 MIN				-7.3				
21:30 MIN			-12.4					
22:00 MIN				-4.4				
22:30 MIN			-12.8					
23:00 MIN				-4.6				
23:30 MIN			-11.7					
24:00 MIN				-3.6				
24:30 MIN			-13.8					
25:00 MIN				-5.8				

SINGLE FLYOVER
SUBJECT #:32 BDAY:12/5/66 AGE:24 SEX:M
DATE:7/30/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	5	0	0	10	10	5	5	0	0	0	5	5
POST	0	5	-5	0	-5	5	5	5	0	-5	-5	-5	-5	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	-11.7	-4.8	-10.2	-11.6	-10.1	-1.7	-10.9	-5.3
POST-EXP								
1:00 MIN	-8.9		-11.4		-6.5		-11.4	
1:30 MIN		-2.3		-11.6		-7.3		-4.5
2:00 MIN	-11.5		-12.6		-7.0		-11.4	
2:30 MIN		-5.7		-7.8		-5.2		-3.2
3:00 MIN	-12.3		-13.5		-7.2		-13.8	
3:30 MIN		-8.0		-8.2		-3.8		-3.8
4:00 MIN				-8.5				
4:30 MIN				-10.7				
5:00 MIN				-11.6				
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								
7:30 MIN								

SINGLE FLYOVER
SUBJECT #:33 BDAY:12/13/55 AGE:35 SEX:F
DATE:7/29/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	10	5	-5	5	20	0	0	10	0	0	0	5
POST	-5	5	10	0	-10	5	25	0	5	10	0	0	0	5

	115 dB		120 dB		125 dB		130 dB	
Hz	4K	6K	4K	6K	4K	6K	4K	6K
BASELINE	2.8	-9.5	-3.6	-8.3	-4.0	-13.2	-2.4	-10.9
POST-EXP								
1:00 MIN	-2.4		-3.1		-0.7		-1.3	
1:30 MIN		-8.9		-7.0		-12.5		-16.4
2:00 MIN	-1.3		-4.2		-1.3		-2.3	
2:30 MIN		-10.0		-9.6		-10.7		-16.0
3:00 MIN	-2.9		-3.7		-2.0		-3.0	
3:30 MIN		-8.9		-7.0		-14.4		-14.4
4:00 MIN								
4:30 MIN								
5:00 MIN								
5:30 MIN								
6:00 MIN								
6:30 MIN								
7:00 MIN								

APPENDIX B

MULTIPLE FLYOVER DATA

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:1 BDAY:5/20/64 AGE:27
DATE: 9/25/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	5	5	0	5	0	5	0	0	5	0	5
POST	-5	5	0	5	5	0	5	0	0	0	0	5	0	10

130 dB			
		4K	6K
BASELINE		2.6	-7.2
TIME	EXP #		
1:00	1	4.6	
1:30			-4.9
2:00		3.8	
2:30			-4.9
5:00	2	2.2	
5:30			-5.5
6:00		1.0	
6:30			-4.5
9:00	3	-3.3	
9:30			-2.7
10:00		1.5	
10:30			-2.4
13:00	4	-2.4	
13:30			-0.3
14:00		-0.1	
14:30			0.0

130 dB..cont			
		4K	6K
BASELINE		2.6	-7.2
TIME	EXP #		
17:00	5	2.3	
17:30			-4.9
18:00		3.5	
18:30			-5.1
21:00	6	-1.8	
21:30			-3.7
22:00		0.0	
22:30			-4.8
25:00	7	2.3	
25:30			-2.4
26:00		0.0	
26:30			-0.9
29:00	8	-1.0	
29:30			-6.0
30:00		2.9	
30:30			-1.0

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:2 BDAY:2/3/66 AGE:25
DATE: 8/21/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	5	0	10	0	0	0	5	5	5	0	5	0
POST	-5	-5	0	5	10	-5	0	5	0	0	5	5	5	0

125 dB			
		4K	6K
BASELINE		13.0	-1.2
TIME	EXP #		
1:00	1	13.4	
1:30			0.3
2:00		15.1	
2:30			0.2
5:00	2	15.2	
5:30			0.8
6:00		14.1	
6:30			1.6
9:00	3	12.9	
9:30			-0.7
10:00		12.3	
10:30			-1.2
13:00	4	16.1	
13:30			1.8
14:00		15.3	
14:30			1.4

125 dB..cont			
		4K	6K
BASELINE		13.0	-1.2
TIME	EXP #		
17:00	5	14.9	
17:30			0.5
18:00		14.6	
18:30			0.8
21:00	6	15.5	
21:30			2.2
22:00		15.3	
22:30			3.1
25:00	7	16.3	
25:30			4.1
26:00		15.0	
26:30			3.0
29:00	8	11.5	
29:30			-0.6
30:00		12.5	
30:30			-0.7

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:2 BDAY:2/3/66 AGE:25
DATE: 8/22/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	5	5	10	0	-5	0	5	0	0	0	5	-5
POST	-5	0	0	5	15	0	0	0	0	0	0	5	5	0

130 dB			
		4K	6K
BASELINE		15.6	-2.4
TIME	EXP #		
1:00	1	16.3	
1:30			-3.6
2:00		14.7	
2:30			-2.1
5:00	2	16.9	
5:30			-1.6
6:00		16.0	
6:30			-0.6
9:00	3	15.2	
9:30			-2.2
10:00		15.6	
10:30			-2.4
13:00	4	16.0	
13:30			-0.9
14:00		16.2	
14:30			-0.4

130 dB..cont			
		4K	6K
BASELINE		15.6	-2.4
TIME	EXP #		
17:00	5	16.4	
17:30			-3.9
18:00		16.5	
18:30			-0.7
21:00	6	14.8	
21:30			-2.9
22:00		15.7	
22:30			-3.8
25:00	7	15.7	
25:30			-1.7
26:00		13.2	
26:30			-0.6
29:00	8	12.9	
29:30			-4.1
30:00		14.2	
30:30			-2.1

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:3 BDAY:10/18/63 AGE:27
DATE: 10/17/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	5	0	-5	0	0	-5	0	5	-5	-5	0	10
POST	-10	0	5	0	-5	0	0	-5	0	0	-5	-5	0	5

125 dB			
		4K	6K
BASELINE		-8.4	-10.7
TIME	EXP #		
1:00	1	-9.7	
1:30			-1.0
2:00		-8.6	
2:30			-2.7
5:00	2	-8.6	
5:30			-10.5
6:00		-9.2	
6:30			-13.2
9:00	3	-8.8	
9:30			-8.4
10:00		-9.1	
10:30			-9.3
13:00	4	-8.4	
13:30			-14.6
14:00		-6.9	
14:30			-14.7

125 dB..cont			
		4K	6K
BASELINE		-8.4	-10.7
TIME	EXP #		
17:00	5	-8.1	
17:30			-11.8
18:00		-7.7	
18:30			-9.9
21:00	6	-10.0	
21:30			-10.1
22:00		-8.6	
22:30			-9.1
25:00	7	-6.5	
25:30			-12.0
26:00		-4.0	
26:30			-10.7
29:00	8	-11.1	
29:30			-9.0
30:00		-10.3	
30:30			-8.2

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:3 BDAY:10/18/63 AGE:27
DATE: 10/18/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	10	5	0	-5	5	0	-5	0	0	-5	-5	0	5
POST	-5	10	5	0	-5	0	0	-5	0	5	-5	-5	0	5

130 dB			
		4K	6K
BASELINE		-10.0	-15.3
TIME	EXP #		
1:00	1	-9.6	
1:30			-11.8
2:00		-9.3	
2:30			-9.9
5:00	2	-10.3	
5:30			-12.8
6:00		-8.0	
6:30			-10.3
9:00	3	-7.4	
9:30			-12.6
10:00		-10.0	
10:30			-15.3
13:00	4	-5.5	
13:30			-18.2
14:00		-5.3	
14:30			-17.0

130 dB..cont			
		4K	6K
BASELINE		-10.0	-15.3
TIME	EXP #		
17:00	5	-6.2	
17:30			-15.1
18:00		-6.1	
18:30			-15.2
21:00	6	-6.2	
21:30			-14.7
22:00		-4.6	
22:30			-13.9
25:00	7	-5.3	
25:30			-14.4
26:00		-6.2	
26:30			-16.8
29:00	8	-4.1	
29:30			-13.7
30:00		-6.7	
30:30			-14.9

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:5 BDAY:10/9/66 AGE:24
DATE: 8/21/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	0	-5	-5	-5	-5	0	0	-5	-10	-5	5	-5
POST	-5	5	0	-5	0	-5	-10	5	10	0	-10	-5	-5	-5

125 dB			
		4K	6K
BASELINE		-3.6	-12.9
TIME	EXP #		
1:00	1	-0.5	
1:30			-9.4
2:00		1.1	
2:30			-10.5
5:00	2	2.0	
5:30			-6.2
6:00		0.9	
6:30			-8.5
9:00	3	0.7	
9:30			-8.8
10:00		-1.1	
10:30			-8.3
13:00	4	2.7	
13:30			-5.7
14:00		2.9	
14:30			-6.6

125 dB..cont			
		4K	6K
BASELINE		-3.6	-12.9
TIME	EXP #		
17:00	5	0.2	
17:30			-7.5
18:00		0.4	
18:30			-6.1
21:00	6	0.1	
21:30			-8.2
22:00		1.7	
22:30			-8.5
25:00	7	4.5	
25:30			-2.9
26:00		3.5	
26:30			-5.9
29:00	8	1.5	
29:30			-5.7
30:00		1.1	
30:30			-4.6

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:5 BDAY:10/9/66 AGE:24
DATE: 9/11/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	0	-5	-5	0	0	0	10	0	-5	-5	-5	0
POST	-5	5	0	-5	0	0	-10	0	10	0	-5	-5	-5	5

130 dB			
		4K	6K
BASELINE		3.2	-8.4
TIME	EXP #		
1:00	1	4.2	
1:30			-7.3
2:00		4.0	
2:30			-6.8
5:00	2	4.1	
5:30			-9.3
6:00		4.8	
6:30			-6.3
9:00	3	2.8	
9:30			-10.0
10:00		4.1	
10:30			-8.0
13:00	4	3.7	
13:30			-8.4
14:00		3.3	
14:30			-7.9

130 dB..cont			
		4K	6K
BASELINE		3.2	-8.4
TIME	EXP #		
17:00	5	2.8	
17:30			-7.2
18:00		3.7	
18:30			-8.4
21:00	6	-0.6	
21:30			-7.9
22:00		0.9	
22:30			-7.8
25:00	7	0.8	
25:30			-8.9
26:00		1.0	
26:30			-7.4
29:00	8	-0.1	
29:30			-7.3
30:00		0.5	
30:30			-5.5

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:6 BDAY:1/21/59 AGE:32
DATE: 9/12/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	10	0	0	5	0	0	0	-5	-5	0	0	5
POST	-10	0	5	0	0	5	5	0	0	-5	-5	0	-5	0

125 dB			
		4K	6K
BASELINE		6.1	0.1
TIME	EXP #		
1:00	1	9.1	
1:30			-0.7
2:00		9.3	
2:30			1.4
5:00	2	11.8	
5:30			0.9
6:00		10.9	
6:30			1.2
9:00	3	7.7	
9:30			0.7
10:00		10.1	
10:30			7.1
13:00	4	6.0	
13:30			2.2
14:00		6.1	
14:30			0.1

125 dB..cont			
		4K	6K
BASELINE		6.1	0.1
TIME	EXP #		
17:00	5	6.7	
17:30			2.4
18:00		7.7	
18:30			3.0
21:00	6	5.5	
21:30			3.6
22:00		5.0	
22:30			1.9
25:00	7	5.0	
25:30			6.0
26:00		5.3	
26:30			7.2
29:00	8	7.5	
29:30			-0.2
30:00		6.3	
30:30			0.8

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:6 BDAY:1/21/59 AGE:32
DATE: 9/13/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	5	-5	-5	0	5	0	0	0	-5	0	5	10
POST	-10	0	10	0	0	5	0	0	0	-5	-5	-5	0	5

130 dB			
		4K	6K
BASELINE		6.3	-1.5
TIME	EXP #		
1:00	1	3.2	
1:30			0.9
2:00		2.6	
2:30			0.3
5:00	2	9.9	
5:30			1.6
6:00		8.8	
6:30			0.7
9:00	3	3.6	
9:30			5.1
10:00		1.7	
10:30			5.1
13:00	4	-0.6	
13:30			2.4
14:00		-3.5	
14:30			3.4

130 dB..cont			
		4K	6K
BASELINE		6.3	-1.5
TIME	EXP #		
17:00	5	-0.6	
17:30			3.4
18:00		-0.7	
18:30			6.3
21:00	6	1.7	
21:30			4.7
22:00		0.3	
22:30			4.7
25:00	7	5.6	
25:30			5.1
26:00		7.5	
26:30			0.6
29:00	8	-0.4	
29:30			1.0
30:00		2.5	
30:30			3.3

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:8 BDAY:3/5/63 AGE:28
DATE: 8/28/91

	RIGHT EAR							LEFT EAR						
	250	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	-5	5	-5	0	10	-5	0	-5	-5	-5	0	10
POST	-5	0	0	10	5	5	10	-5	-5	-5	0	-5	20	10

125 dB			
		4K	6K
BASELINE		-4.3	-6.0
TIME	EXP #		
1:00	1	-0.9	
1:30			-0.4
2:00		1.0	
2:30			-0.9
3:00	2	-4.3	
3:30			-7.0
4:00		-3.4	
4:30			-4.3
5:00	3	1.4	
5:30			-1.9
10:00		2.1	
10:30			0.0
13:00	4	-2.3	
13:30			-7.1
14:00		-2.3	
14:30			-5.2

125 dB, cont			
		4K	6K
BASELINE		-4.3	-6.0
TIME	EXP #		
17:00	5	-1.9	
17:30			-2.4
18:00		-3.6	
18:30			-2.7
21:00	6	2.7	
21:30			1.3
22:00		3.4	
22:30			1.0
25:00	7	3.5	
25:30			2.4
26:00		1.0	
26:30			3.6
29:00	8	-1.3	
29:30			-5.2
30:00		-3.2	
30:30			-4.4

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:8 BDAY:3/5/63 AGE:28
DATE: 8/29/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	5	0	0	15	0	0	-5	0	0	5	5
POST	-5	0	0	0	5	0	10	-5	0	0	-5	-5	10	5

130 dB			
		4K	6K
BASELINE		-0.0	-5.3
TIME	EXP #		
1:00	1	0.8	
1:30			-2.9
2:00		-0.2	
2:30			-4.8
5:00	2	-0.2	
5:30			-1.6
6:00		-1.5	
6:30			-4.0
9:00	3	1.5	
9:30			-7.0
10:00		1.2	
10:30			-4.4
13:00	4	0.0	
13:30			-4.6
14:00		0.3	
14:30			-0.6

130 dB..cont			
		4K	6K
BASELINE		-0.0	-5.3
TIME	EXP #		
17:00	5	2.2	
17:30			-2.7
18:00		0.5	
18:30			-1.6
21:00	6	-0.8	
21:30			-5.0
22:00		-2.0	
22:30			-4.7
25:00	7	-1.8	
25:30			-4.3
26:00		-1.1	
26:30			-4.6
29:00	8	3.4	
29:30			-2.1
30:00		5.0	
30:30			-0.4

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:11 BDAY:6/30/63 AGE:27
DATE: 9/27/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	0	0	5	10	10	0	5	0	-10	-5	5	-5
POST	-5	5	0	0	0	20	10	0	0	-5	-10	-5	0	5

125 dB			
		4K	6K
BASELINE		3.3	10.5
TIME	EXP #		
1:00	1	4.7	
1:30			3.1
2:00		4.4	
2:30			2.3
5:00	2	6.2	
5:30			-3.7
6:00		6.3	
6:30			-2.4
9:00	3	4.7	
9:30			-3.7
10:00		4.3	
10:30			-4.1
13:00	4	7.3	
13:30			-5.7
14:00		8.1	
14:30			-4.1

125 dB..cont			
		4K	6K
BASELINE		3.3	10.5
TIME	EXP #		
17:00	5	5.5	
17:30			-2.5
18:00		6.4	
18:30			-1.6
21:00	6	4.8	
21:30			-5.5
22:00		4.9	
22:30			-4.9
25:00	7	6.6	
25:30			-7.8
26:00		5.6	
26:30			-6.0
29:00	8	5.8	
29:30			0.7
30:00		5.7	
30:30			0.9

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:11 BDAY:6/30/63 AGE:27
DATE: 10/17/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	-5	0	5	10	5	0	10	0	-10	-5	5	5
POST	0	5	-5	0	0	15	15	0	0	-5	-10	-5	0	5

130 dB			
		4K	6K
BASELINE		6.4	-3.3
TIME	EXP #		
1:00	1	5.8	
1:30			-5.2
2:00		4.6	
2:30			-6.0
5:00	2	6.9	
5:30			-4.3
6:00		6.8	
6:30			-3.8
9:00	3	9.6	
9:30			-5.5
10:00		7.8	
10:30			-6.3
13:00	4	6.1	
13:30			-8.5
14:00		7.0	
14:30			-7.7

130 dB..cont			
		4K	6K
BASELINE		6.4	-3.3
TIME	EXP #		
17:00	5	10.3	
17:30			-4.8
18:00		9.5	
18:30			-5.8
21:00	6	7.3	
21:30			-5.7
22:00		6.5	
22:30			-5.3
25:00	7	7.8	
25:30			-6.6
26:00		5.5	
26:30			-6.3
29:00	8	9.1	
29:30			-6.7
30:00		5.8	
30:30			-6.1

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:12 BDAY:9/18/64 AGE:26
DATE: 10/17/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	5	0	10	15	5	5	5	15	5	20	15	5	0
POST	0	0	0	5	10	10	5	5	10	5	10	10	0	0

125 dB			
		4K	6K
BASELINE		9.1	3.0
TIME	EXP #		
1:00	1	6.0	
1:30			2.1
2:00		7.1	
2:30			2.4
5:00	2	9.1	
5:30			4.1
6:00		8.1	
6:30			5.4
9:00	3	10.3	
9:30			4.0
10:00		9.8	
10:30			3.4
13:00	4		
13:30			
14:00			
14:30			

125 dB..cont			
		4K	6K
BASELINE		9.1	3.0
TIME	EXP #		
17:00	5	7.4	
17:30			2.0
18:00		9.6	
18:30			0.8
21:00	6	11.4	
21:30			5.0
22:00		11.8	
22:30			5.5
25:00	7	11.0	
25:30			5.9
26:00		12.2	
26:30			4.8
29:00	8	12.5	
29:30			2.1
30:00		11.9	
30:30			3.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:12 BDAY:7/18/64 AGE:26
DATE: 10/30/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	10	5	0	10	10	5	10	10	10	10	15	15	5	-10
POST	5	0	0	5	10	10	5	5	5	5	15	15	10	-5

130 dB			
		4K	6K
BASELINE		11.4	4.1
TIME	EXP #		
1:00	1	11.3	
1:30			3.2
2:00		12.0	
2:30			2.4
5:00	2	11.0	
5:30			8.9
6:00		10.0	
6:30			8.8
9:00	3	14.3	
9:30			1.1
10:00		13.3	
10:30			0.4
13:00	4	11.9	
13:30			-2.7
14:00		11.3	
14:30			-1.8

130 dB..cont			
		4K	6K
BASELINE		11.4	4.1
TIME	EXP #		
17:00	5	9.6	
17:30			2.5
18:00		9.6	
18:30			3.6
21:00	6	10.4	
21:30			5.7
22:00		11.8	
22:30			2.1
25:00	7	10.0	
25:30			5.8
26:00		10.2	
26:30			6.0
29:00	8	13.3	
29:30			1.0
30:00		14.1	
30:30			2.1

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:13 BDAY:5/1/69 AGE:22
DATE: 12/12/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	10	5	-5	-10	-5	0	-5	0	-5	-5	-5	-10	-5
POST	-10	10	5	-5	-5	-5	-5	-5	0	-5	0	-5	-5	-5

125 dB			
		4K	6K
BASELINE		-13.1	-8.2
TIME	EXP #		
1:00	1	-10.3	
1:30			-7.8
2:00		-8.3	
2:30			-4.4
5:00	2	-10.3	
5:30			0.5
6:00		-9.8	
6:30			-0.7
9:00	3	-9.1	
9:30			-4.1
10:00		-8.0	
10:30			-3.0
13:00	4	-11.1	
13:30			-3.1
14:00		-8.9	
14:30			-4.2

125 dB..cont			
		4K	6K
BASELINE		-13.1	-8.2
TIME	EXP #		
7:00	5	-10.3	
17:30			-1.1
18:00		-13.0	
18:30			-0.7
21:00	6	-11.3	
21:30			-6.5
22:00		-10.1	
22:30			-10.8
25:00	7	-6.3	
25:30			-2.1
26:00		-5.1	
26:30			-4.4
29:00	8	-14.8	
29:30			-6.5
30:00		-11.3	
30:30			-3.9

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:13 BDAY:5/1/69 AGE:22
DATE: 12/17/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	5	0	-5	-5	0	0	-5	0	-5	-5	-5	-10	-5
POST	-10	10	5	-5	0	0	-5	0	5	0	0	5	-10	-10

130 dB			
		4K	6K
BASELINE		-9.5	-1.8
TIME	EXP #		
1:00	1	-6.8	
1:30			-1.6
2:00		-4.9	
2:30			-0.9
5:00	2	-6.9	
5:30			-2.3
6:00		-5.4	
6:30			0.3
9:00	3	-7.9	
9:30			0.3
10:00		-8.6	
10:30			1.4
13:00	4	-6.7	
13:30			-0.4
14:00		-8.5	
14:30			-0.5

130 dB..cont			
		4K	6K
BASELINE		-9.5	-1.8
TIME	EXP #		
17:00	5	-8.8	
17:30			-2.3
18:00		-5.6	
18:30			0.3
21:00	6	-7.6	
21:30			0.4
22:00		-8.3	
22:30			2.9
25:00	7	-4.3	
25:30			0.4
26:00		-3.0	
26:30			0.1
29:00	8	-3.2	
29:30			0.8
30:00		-1.4	
30:30			-1.0

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:14 BDAY:12/4/68 AGE:22
DATE: 12/12/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	5	0	5	0	0	-5	0	5	15	10	15	15	0
POST	-10	0	0	5	0	-10	-5	0	0	5	0	10	-5	-5

125 dB			
		4K	6K
BASELINE		0.0	-10.7
TIME	EXP #		
1:00	1	3.4	
1:30			-4.3
2:00		-0.4	
2:30			-2.8
5:00	2	5.4	
5:30			-8.5
6:00		0.8	
6:30			-7.0
9:00	3	2.1	
9:30			-5.2
10:00		3.4	
10:30			-7.2
13:00	4	-0.8	
13:30			-3.0
14:00		2.2	
14:30			-6.3

125 dB..cont			
		4K	6K
BASELINE		0.0	-10.7
TIME	EXP. #		
17:00	5	1.4	
17:30			-1.5
18:00		1.6	
18:30			-2.8
21:00	6	2.2	
21:30			-6.0
22:00		3.0	
22:30			-9.7
25:00	7	0.2	
25:30			-7.0
26:00		0.8	
26:30			-8.7
29:00	8	4.9	
29:30			-10.0
30:00		1.8	
30:30			-7.8

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:14 BDAY:12/4/68 AGE:22
DATE: 4/20/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	10	10	0	-5	-5	5	10	10	15	15	10	0
POST	-10	5	-5	5	-10	-5	-5	0	5	5	5	5	0	-5

130 dB			
		4K	6K
BASELINE		-1.5	-10.7
TIME	EXP #		
1:00	1	5.0	
1:30			-7.2
2:00		1.8	
2:30			-2.8
5:00	2	7.0	
5:30			-8.0
6:00		7.0	
6:30			-5.8
9:00	3	3.0	
9:30			-11.4
10:00		2.2	
10:30			-7.6
13:00	4	3.7	
13:30			-9.1
14:00		1.5	
14:30			-8.2

130 dB..cont			
		4K	6K
BASELINE		-1.5	-10.7
TIME	EXP #		
17:00	5	5.8	
17:30			-9.2
18:00		3.9	
18:30			-8.2
21:00	6	3.0	
21:30			-4.8
22:00		0.0	
22:30			-7.3
25:00	7	2.0	
25:30			-10.0
26:00		2.0	
26:30			-5.8
29:00	8	4.8	
29:30			-7.4
30:00		3.7	
30:30			-11.5

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:16 BDAY:8/22/70 AGE:20
DATE: 12/11/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	-5	-5	0	0	-10	-5	0	-10	-5	-5	0	0
POST	-10	-5	-5	-5	0	0	-10	-5	5	-10	-5	-5	-5	0

125 dB			
		4K	6K
BASELINE		2.7	-10.0
TIME	EXP #		
1:00	1	3.4	
1:30			-9.4
2:00		5.8	
2:30			-8.5
5:00	2	3.8	
5:30			-10.4
6:00		3.4	
6:30			-9.9
9:00	3	3.4	
9:30			-6.0
10:00		1.6	
10:30			-6.3
13:00	4	1.7	
13:30			-12.2
14:00		3.3	
14:30			-12.5

125 dB..cont			
		4K	6K
BASELINE		2.7	-10.0
TIME	EXP #		
17:00	5	3.7	
17:30			-3.3
18:00		3.3	
18:30			-4.2
21:00	6	4.1	
21:30			-10.7
22:00		4.4	
22:30			-8.7
25:00	7	4.2	
25:30			-6.8
26:00		3.5	
26:30			-5.8
29:00	8	2.9	
29:30			-6.4
30:00		3.2	
30:30			-5.2

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:16 BDAY:8/22/70 AGE:20
DATE: 3/26/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	-5	0	-5	-5	0	-5	-10	0	-10	-5	-5	-5	-5
POST	-10	0	-5	-5	0	0	-10	-5	0	-10	-5	-5	-5	0

130 dB			
		4K	6K
BASELINE		0.1	-6.9
TIME	EXP #		
1:00	1	-0.6	
1:30			-12.4
2:00		1.4	
2:30			-12.1
5:00	2	1.4	
5:30			-6.7
6:00		2.8	
6:30			-7.1
9:00	3	-0.2	
9:30			-13.7
10:00		0.3	
10:30			-13.6
13:00	4	1.4	
13:30			-8.3
14:00		1.0	
14:30			-8.6

130 dB..cont			
		4K	6K
BASELINE		0.1	-6.9
TIME	EXP #		
17:00	5	3.2	
17:30			-9.4
18:00		2.1	
18:30			-8.7
21:00	6	2.0	
21:30			-10.1
22:00		1.0	
22:30			-10.0
25:00	7	1.9	
25:30			-8.1
26:00		1.5	
26:30			-6.3
29:00	8	2.0	
29:30			1.0
30:00		0.6	
30:30			1.9

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:17 BDAY:3/12/70 AGE:21
DATE: 12/6/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	-5	-5	5	-10	-5	-5	0	0	-10	-5	-5	-5	-10
POST	-10	0	-5	0	-10	-10	-10	-5	0	-5	-5	-5	-5	-10

125 dB			
		4K	6K
BASELINE		-2.0	-16.2
TIME	EXP #		
1:00	1	-5.6	
1:30			0.1
2:00		-5.7	
2:30			-1.0
3:00			-3.6
3:30			-2.0
4:00			-2.4
4:30			-3.5
5:00			-3.4
5:30			-4.0
6:00			-3.5
6:30			-3.6
7:00			-4.7
7:30			-4.8
8:00			-3.4
8:30			-3.7

125 dB..cont			
		4K	6K
BASELINE		-2.0	-16.2
TIME	EXP #		
9:00	1		-5.5
9:30			-4.3
10:00			-6.8
10:30			-4.1

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:17 BDAY:3/12/70 AGE:22
DATE: 3/25/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	-10	-10	-5	0	0	-5	-5	5	0	-5
POST	-10	-5	-5	5	-10	0	-10	-5	0	-5	-5	5	0	-5

125 dB			
		4K	6K
BASELINE		-4.1	-2.7
TIME	EXP #		
1:00	1	-1.6	
1:30			-7.2
2:00		-1.8	
2:30			-7.8
5:00	2	-0.4	
5:30			-9.4
6:00		-3.0	
6:30			-10.6
9:00	3	-1.6	
9:30			-9.3
10:00		5.5	
10:30			-8.9
13:00	4	-5.6	
13:30			-4.7
14:00		-7.2	
14:30			-4.6

125 dB..cont			
		4K	6K
BASELINE		-4.1	-2.7
TIME	EXP #		
17:00	5	-9.5	
17:30			-5.1
18:00		-9.0	
18:30			-5.3
21:00	6	-5.8	
21:30			-0.1
22:00		-6.1	
22:30			-2.3
25:00	7	-2.7	
25:30			-5.4
26:00		-3.9	
26:30			-4.7
29:00	8	-3.0	
29:30			10.6
30:00		-5.0	
30:30			9.8

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:17 BDAY:3/12/70 AGE:22
DATE: 3/25/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	-10	-10	-5	0	0	-5	-5	5	0	-5
POST	-10	-5	-5	5	-10	0	-10	-5	0	-5	-5	5	0	-5

125 dB..cont			
		4K	6K
BASELINE		-4.1	-2.7
TIME	EXP #		
31:00	8		8.1
31:30			7.8
32:00			8.7
32:30			7.2
33:00			9.2
33:30			8.0
34:00			6.8
34:30			9.7
35:00			8.3
35:30			11.8
36:00			10.4
36:30			8.8
37:00			11.0
37:30			8.0
38:00			10.9
38:30			13.4

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:17 BDAY:3/12/70 AGE:22
DATE: 4/7/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	-5	-10	-5	0	0	-10	-5	-5	0	-10
POST	-5	0	-5	0	-5	0	-5	-5	0	-5	-5	-10	0	-10

130 dB			
		4K	6K
BASELINE		-2.5	-12.0
TIME	EXP #		
1:00	1	-2.9	
1:30			14.5
2:00		-4.1	
2:30			12.4
3:00			15.0
3:30			14.4
4:00			16.0
4:30			15.0
5:00			14.9
5:30			14.6
6:00			16.0
6:30			15.9
7:00			16.4
7:30			15.0
8:00			17.3
8:30			16.2

130 dB..cont			
		4K	6K
BASELINE		-2.5	-12.0
TIME	EXP #		
9:00	1		14.9
9:30			16.4
10:00			16.1
10:30			12.0
26:30		-3.2	
27:00			-3.8
27:30		-2.9	
28:00			-4.6
28:30		-2.2	
29:00			-6.0
29:30		-3.4	
30:00			-4.3
30:30		-2.4	
31:00			-6.3
31:30		-4.5	
32:00			-5.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:17 BDAY:3/12/70 AGE:22
DATE: 4/7/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	-5	-10	-5	0	0	-10	-5	-5	0	-10
POST	-5	0	-5	0	-5	0	-5	-5	0	-5	-5	-10	0	-10

130 dB..cont			
		4K	6K
BASELINE		-2.5	-12.0
TIME	EXP #		
33:30	1	1.7	
34:00			-13.6
34:30		-1.5	
35:00			-13.7
35:30		-2.7	
36:00			-11.4
36:30		0.6	
37:00			-10.9
37:30		-4.2	
38:00			-12.1
38:30		-6.3	
39:00			-11.4

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:17 BDAY:3/12/70 AGE:22
DATE: 4/16/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	-5	5	-5	-5	-10	-5	0	-10	-5	-5	5	-10
POST	-10	0	-5	0	-5	-5	-10	-5	-5	-5	0	-5	0	-10

130 dB			
		4K	6K
BASELINE		-6.0	-2.7
TIME	EXP #		
1:00	1	2.1	
1:30			-5.0
2:00		1.9	
2:30			-2.0
5:00	2	2.3	
5:30			-11.6
6:00		-3.4	
6:30			-10.5
9:00	3	2.3	
9:30			-11.1
10:00		1.9	
10:30			-9.6
13:00	4	4.6	
13:30			-10.0
14:00		-0.2	
14:30			-12.7

130 dB..cont			
		4K	6K
BASELINE		-6.0	-2.7
TIME	EXP #		
15:00	4	0.7	
15:30		0.2	
16:00		-1.4	
16:30		-2.2	
17:00		-2.2	
17:30		-2.2	
18:00		-0.5	
18:30		-3.0	

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:18 BDAY:12/18/65 AGE:25
DATE: 12/6/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	-5	-5	0	-5	10	5	0	-5	-5	15	5	0
POST	0	0	-5	-10	0	-5	5	10	5	10	5	25	10	15

125 dB			
		4K	6K
BASELINE		2.3	-12.4
TIME	EXP #		
1:00	1	1.7	
1:30			-8.7
2:00		0.9	
2:30			-8.4
5:00	2	0.8	
5:30			-11.3
6:00		2.0	
6:30			-8.8
9:00	3	0.6	
9:30			-9.7
10:00		2.4	
10:30			-6.3
13:00	4	4.0	
13:30			-9.9
14:00		2.7	
14:30			-12.7

125 dB..cont			
		4K	6K
BASELINE		2.3	-12.4
TIME	EXP #		
17:00	5	0.6	
17:30			-5.7
18:00		-0.9	
18:30			-4.3
21:00	6	0.1	
21:30			-9.1
22:00		-0.1	
22:30			-9.9
25:00	7	0.1	
25:30			-8.9
26:00		-1.3	
26:30			-9.0
29:00	8	0.3	
29:30			-3.7
30:00		0.5	
30:30			-4.7

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:18 BDAY:12/18/65 AGE:25
DATE: 4/6/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	0	-5	0	0	5	5	0	0	-5	15	5	0
POST	0	0	0	-5	0	0	10	0	0	-5	-5	10	10	0

130 dB			
		4K	6K
BASELINE		0.1	-8.2
TIME	EXP #		
1:00	1	2.0	
1:30			-4.7
2:00		0.1	
2:30			-1.4
5:00	2	4.0	
5:30			-1.3
6:00		2.9	
6:30			-1.0
9:00	3	1.5	
9:30			-5.0
10:00		1.1	
10:30			-2.4
13:00	4	1.9	
13:30			-2.2
14:00		2.4	
14:30			0.0

130 dB..cont			
		4K	6K
BASELINE		0.1	-8.2
TIME	EXP #		
17:00	5	1.6	
17:30			-4.0
18:00		0.6	
18:30			-3.7
21:00	6	2.7	
21:30			-3.3
22:00		0.7	
22:30			-0.6
25:00	7	1.9	
25:30			-5.5
26:00		0.6	
26:30			-7.3
29:00	8	0.3	
29:30			-6.8
30:00		0.6	
30:30			-2.7

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:19 BDAY:8/20/71 AGE:19
DATE: 12/9/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	0	-5	-5	0	0	0	5	0	0	-5
POST	-10	0	-5	5	0	0	0	-5	0	0	0	-5	5	-5

125 dB			
		4K	6K
BASELINE		1.1	-6.5
TIME	EXP #		
1:00	1	3.5	
1:30			-6.5
2:00		4.5	
2:30			-4.5
5:00	2	5.3	
5:30			-8.8
6:00		7.6	
6:30			-5.5
9:00	3	3.9	
9:30			-8.2
10:00		3.6	
10:30			-6.4
13:00	4	3.2	
13:30			-4.2
14:00		2.9	
14:30			-2.5

125 dB..cont			
		4K	6K
BASELINE		1.1	-6.5
TIME	EXP #		
17:00	5	3.7	
17:30			-1.8
18:00		3.2	
18:30			-3.6
21:00	6	4.2	
21:30			-5.9
22:00		4.2	
22:30			-5.6
25:00	7	4.5	
25:30			-8.1
26:00		3.6	
26:30			-7.2
29:00	8	4.0	
29:30			-7.3
30:00		5.2	
30:30			-5.5

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:19 BDAY:8/20/71 AGE:19
DATE: 12/11/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	5	-5	0	-5	0	0	0	0	0	-5
POST	-10	0	-10	0	0	0	5	-5	-5	0	0	-5	0	-5

130 dB			
		4K	6K
BASELINE		0.6	-4.2
TIME	EXP #		
1:00	1	3.5	
1:30			-5.8
2:00		2.8	
2:30			-5.7
5:00	2	4.5	
5:30			-6.2
6:00		3.5	
6:30			-5.2
9:00	3	4.6	
9:30			-4.2
10:00		6.5	
10:30			-3.4
13:00	4	6.4	
13:30			-5.3
14:00		5.0	
14:30			-4.2

130 dB..cont			
		4K	6K
BASELINE		0.6	-4.2
TIME	EXP #		
17:00	5	6.7	
17:30			-5.1
18:00		7.0	
18:30			-4.2
21:00	6	5.3	
21:30			-4.5
22:00		5.8	
22:30			-4.6
25:00	7	6.7	
25:30			-4.9
26:00		6.8	
26:30			-3.8
29:00	8	3.9	
29:30			-6.3
30:00		2.4	
30:30			-5.2

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:21 BDAY:3/3/67 AGE:24
DATE: 12/12/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	-5	-5	0	-5	0	10	10	-5	0	0	5	0
POST	0	0	-5	-5	-5	0	5	10	5	-5	-5	-5	5	-5

125 dB			
		4K	6K
BASELINE		-3.0	-12.6
TIME	EXP #		
1:00	1	-4.2	
1:30			-7.6
2:00		-3.4	
2:30			-11.0
5:00	2	-5.0	
5:30			-7.1
6:00		-4.8	
6:30			-6.3
9:00	3	-3.0	
9:30			-8.3
10:00		-2.2	
10:30			-8.8
13:00	4	-0.6	
13:30			-6.0
14:00		-2.6	
14:30			-7.7

125 dB..cont			
		4K	6K
BASELINE		-3.0	-12.6
TIME	EXP #		
17:00	5	-2.9	
17:30			-1.6
18:00		-6.0	
18:30			-3.8
21:00	6		
21:30			
22:00			
22:30			
25:00	7		
25:30			
26:00			
26:30			
29:00	8		
29:30			
30:00			
30:30			

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:22 BDAY:5/23/68 AGE:23
DATE: 12/12/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	-5	-5	-5	-5	0	0	-5	-5	0	15	-5
POST	-10	0	-5	-5	-5	0	-5	0	0	-10	-10	-5	10	-10

125 dB			
		4K	6K
BASELINE		-4.1	-10.3
TIME	EXP #		
1:00	1	1.1	
1:30			-2.7
2:00		-6.4	
2:30			-4.7
5:00	2	-2.7	
5:30			-9.5
6:00		-4.1	
6:30			-8.0
9:00	3	-3.6	
9:30			-8.2
10:00		-3.9	
10:30			-9.4
13:00	4	-3.5	
13:30			-10.3
14:00		-4.5	
14:30			-11.6

125 dB..cont			
		4K	6K
BASELINE		-4.1	-10.3
TIME	EXP #		
17:00	5	-3.6	
17:30			-9.0
18:00		-3.4	
18:30			-9.1
21:00	6	-1.6	
21:30			-9.8
22:00		-2.1	
22:30			-10.1
25:00	7	-1.8	
25:30			-9.0
26:00		-1.4	
26:30			-8.0
29:00	8	0.6	
29:30			-6.5
30:00		-1.2	
30:30			-6.7

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:22 BDAY:5/23/68 AGE:23
DATE: 4/9/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	-5	-5	-5	-5	-5	-5	0	0	0	-5	0	15	-5
POST	-10	-5	-5	-5	-5	-5	-5	-5	0	-5	-10	-5	10	-5

130 dB			
		4K	6K
BASELINE		-8.3	-3.5
TIME	EXP #		
1:00	1	-7.3	
1:30			-5.9
2:00		-9.4	
2:30			-7.7
5:00	2	-5.7	
5:30			-7.0
6:00		-7.3	
6:30			-12.0
9:00	3	-10.3	
9:30			-5.8
10:00		-10.3	
10:30			-11.3
13:00	4	-8.1	
13:30			-9.0
14:00		-6.6	
14:30			-8.1

130 dB..cont			
		4K	6K
BASELINE		-8.3	-3.5
TIME	EXP #		
17:00	5	-9.9	
17:30			-7.1
18:00		-10.9	
18:30			-8.1
21:00	6	-6.7	
21:30			-2.9
22:00		-6.4	
22:30			-2.6
25:00	7	-6.9	
25:30			-8.9
26:00		-6.3	
26:30			-6.4
29:00	8	-7.9	
29:30			-8.8
30:00		-8.6	
30:30			-7.9

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:23 BDAY:2/15/71 AGE:20
DATE: 3/26/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	10	0	-10	0	10	5	0	5	0	-10	0
POST	0	5	0	5	0	-5	0	5	0	-5	0	-5	-5	5

125 dB			
		4K	6K
BASELINE		5.5	-10.3
TIME	EXP #		
1:00	1	5.9	
1:30			-6.8
2:00		4.5	
2:30			-6.5
5:00	2	1.1	
5:30			-5.4
6:00		2.6	
6:30			-6.1
9:00	3	2.0	
9:30			-5.4
10:00		2.5	
10:30			-5.0
13:00	4	8.1	
13:30			-8.5
14:00		8.0	
14:30			-8.1

125 dB..cont			
		4K	6K
BASELINE		5.5	-10.3
TIME	EXP #		
17:00	5	7.5	
17:30			-6.0
18:00		5.6	
18:30			-5.6
21:00	6	5.6	
21:30			-4.0
22:00		5.2	
22:30			-3.5
25:00	7	6.7	
25:30			-4.3
26:00		7.5	
26:30			-3.1
29:00	8	7.7	
29:30			-4.1
30:00		6.9	
30:30			-3.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:23 BDAY:2/15/71 AGE:20
DATE: 3/27/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	-5	5	5	-5	0	5	0	-5	0	-5	-10	-5
POST	-5	0	-5	5	5	-5	-5	0	5	-10	0	-5	-5	-5

130 dB			
		4K	6K
BASELINE		5.8	-7.9
TIME	EXP #		
1:00	1	4.6	
1:30			-3.4
2:00		6.8	
2:30			-3.3
5:00	2	3.8	
5:30			-3.0
6:00		4.2	
6:30			-4.1
9:00	3	4.3	
9:30			-5.4
10:00		7.8	
10:30			-3.9
13:00	4	6.2	
13:30			-2.5
14:00		9.7	
14:30			-2.1

130 dB..cont			
		4K	6K
BASELINE		5.8	-7.9
TIME	EXP #		
17:00	5	9.9	
17:30			-0.2
18:00		9.8	
18:30			-0.2
21:00	6	9.9	
21:30			-0.7
22:00		6.8	
22:30			-1.6
25:00	7	5.3	
25:30			-2.1
26:00		4.2	
26:30			0.7
29:00	8	4.5	
29:30			-3.0
30:00		3.6	
30:30			-3.7

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:24 BDAY:5/4/72 AGE:19
DATE:4/28/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	10	10	10	5	10	0	0	0	5	0	5	10
POST	-5	5	10	10	15	5	15	0	0	0	5	5	0	15

125 dB			
		4K	6K
BASELINE		20.0	-3.3
TIME	EXP #		
1:00	1	17.7	
1:30			0.0
2:00		17.9	
2:30			-1.4
5:00	2	27.4	
5:30			-1.1
6:00		26.7	
6:30			-3.3
9:00	3	15.9	
9:30			-1.0
10:00		15.4	
10:30			-0.8
13:00	4	19.5	
13:30			0.5
14:00		19.5	
14:30			0.5

125 dB..cont			
		4K	6K
BASELINE		20.0	-3.3
TIME	EXP #		
17:00	5	19.8	
17:30			0.8
18:00		19.6	
18:30			-0.3
21:00	6	20.2	
21:30			1.2
22:00		20.0	
22:30			-0.5
25:00	7	20.1	
25:30			-0.8
26:00		20.0	
26:30			-1.0
29:00	8	19.3	
29:30			2.3
30:00		18.8	
30:30			3.6

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:24 BDAY:5/4/72 AGE:19
DATE:4/29/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	10	10	15	10	15	0	0	-5	0	0	0	15
POST	-5	5	10	10	15	5	15	0	0	-5	5	0	0	15

130 dB			
		4K	6K
BASELINE		21.3	-2.7
TIME	EXP #		
1:00	1	26.9	
1:30			-0.4
2:00		28.4	
2:30			-2.8
5:00	2	24.6	
5:30			-3.6
6:00		26.4	
6:30			-3.1
9:00	3	22.2	
9:30			0.6
10:00		20.0	
10:30			0.4
13:00	4	21.2	
13:30			2.3
14:00		21.8	
14:30			0.7

130 dB..cont			
		4K	6K
BASELINE		21.3	-2.7
TIME	EXP #		
17:00	5	18.4	
17:30			-1.7
18:00		19.0	
18:30			-0.1
21:00	6	22.4	
21:30			-0.3
22:00		21.4	
22:30			-3.7
25:00	7	20.9	
25:30			1.3
26:00		20.3	
26:30			-0.5
29:00	8	22.9	
29:30			1.8
30:00		22.2	
30:30			1.7

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:25 BDAY:6/1/72 AGE:19
DATE:3/25/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	0	-5	0	5	0	0	0	0	0	5	5
POST	-5	5	-5	0	5	0	10	-5	0	-5	-5	0	-5	10

125 dB			
		4K	6K
BASELINE		0.6	-5.9
TIME	EXP #		
1:00	1	0.2	
1:30			-3.7
2:00		2.4	
2:30			-2.0
5:00	2	3.1	
5:30			-3.0
6:00		2.0	
6:30			-4.1
9:00	3	0.0	
9:30			-3.4
10:00		0.9	
10:30			-2.3
13:00	4	-0.3	
13:30			0.0
14:00		1.3	
14:30			-0.4

125 dB..cont			
		4K	6K
BASELINE		0.6	-5.9
TIME	EXP #		
17:00	5	-0.1	
17:30			-0.6
18:00		0.0	
18:30			1.7
21:00	6	1.7	
21:30			-1.9
22:00		2.6	
22:30			-5.0
25:00	7	2.9	
25:30			-3.8
26:00		3.0	
26:30			-3.6
29:00	8	2.3	
29:30			-2.1
30:00		1.9	
30:30			-2.2

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:25 BDAY:6/1/72 AGE:19
DATE:3/27/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	0	0	0	-10	5	0	0	0	-5	-5	0	5
POST	-10	0	0	0	0	-5	5	0	0	0	-5	5	0	10

130 dB			
		4K	6K
BASELINE		-0.5	-6.2
TIME	EXP #		
1:00	1	-0.7	
1:30			-7.0
2:00		-2.6	
2:30			-5.8
5:00	2	-2.3	
5:30			3.5
6:00		1.1	
6:30			3.6
9:00	3	-1.2	
9:30			-3.3
10:00		-0.3	
10:30			-3.2
13:00	4	0.8	
13:30			-2.7
14:00		0.0	
14:30			-4.0

130 dB..cont			
		4K	6K
BASELINE		-0.5	-6.2
TIME	EXP #		
17:00	5	0.7	
17:30			-7.8
18:00		1.8	
18:30			-4.7
21:00	6	1.9	
21:30			-7.1
22:00		2.0	
22:30			-3.8
25:00	7	0.2	
25:30			0.3
26:00		-0.4	
26:30			0.3
29:00	8	0.8	
29:30			-4.7
30:00		0.8	
30:30			-4.5

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:26 BDAY:11/3/70 AGE:20
DATE:12/10/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	0	-5	-5	10	10	0	0	-5	0	-5	5	10
POST	-5	0	0	-5	0	10	10	0	5	-5	0	-5	5	10

125 dB			
		4K	6K
BASELINE		-8.7	-4.7
TIME	EXP #		
1:00	1	-5.8	
1:30			1.4
2:00		-5.6	
2:30			0.5
5:00	2	-1.2	
5:30			1.1
6:00		0.2	
6:30			2.3
9:00	3	0.5	
9:30			5.3
10:00		-0.7	
10:30			1.4
13:00	4	-1.7	
13:30			0.0
14:00		-2.0	
14:30			0.3

125 dB..cont			
		4K	6K
BASELINE		-8.7	-4.7
TIME	EXP #		
17:00	5	2.2	
17:30			1.5
18:00		-0.5	
18:30			2.3
21:00	6	-3.1	
21:30			-0.9
22:00		-3.4	
22:30			1.3
25:00	7	0.7	
25:30			3.4
26:00		-1.8	
26:30			3.3
29:00	8	0.7	
29:30			3.6
30:00		-0.8	
30:30			4.2

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:26 BDAY:11/3/70 AGE:20
DATE: 4/30/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	0	-5	-5	5	10	0	0	-5	0	0	5	10
POST	-5	5	0	-10	-5	5	10	-5	5	-5	0	-5	5	5

130 dB			
		4K	6K
BASELINE		-10.1	-6.8
TIME	EXP #		
1:00	1	-11.3	
1:30			-2.8
2:00		-11.2	
2:30			-1.2
5:00	2	-10.8	
5:30			-4.0
6:00		-11.2	
6:30			-4.8
9:00	3	-5.3	
9:30			-0.8
10:00		-5.6	
10:30			-0.7
13:00	4	-9.3	
13:30			-4.2
14:00		-10.7	
14:30			-4.4

130 dB..cont			
		4K	6K
BASELINE		-10.1	-6.8
TIME	EXP #		
17:00	5	-7.8	
17:30			-2.1
18:00		-8.0	
18:30			-4.8
21:00	6	-6.0	
21:30			-1.0
22:00		-9.5	
22:30			-2.0
25:00	7	-6.2	
25:30			1.5
26:00		-6.3	
26:30			-1.7
29:00	8	-5.4	
29:30			-2.0
30:00		-7.1	
30:30			-3.0

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:27 BDAY:7/23/72 AGE:18
DATE:3/31/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	0	-5	-5	0	5	0	-5	-5	-5	-5	0
POST	-5	0	0	-5	-5	5	0	5	0	-5	-10	-5	-5	0

125 dB			
		4K	6K
BASELINE		-7.5	6.9
TIME	EXP #		
1:00	1	-7.8	
1:30			-3.8
2:00		-8.6	
2:30			-0.3
5:00	2	-9.6	
5:30			7.8
6:00		-9.5	
6:30			8.0
9:00	3	-7.7	
9:30			5.1
10:00		-6.3	
10:30			7.0
13:00	4	-7.9	
13:30			1.1
14:00		-8.8	
14:30			2.0

125 dB..cont			
		4K	6K
BASELINE		-7.5	6.9
TIME	EXP #		
17:00	5	-7.4	
17:30			2.7
18:00		-6.5	
18:30			1.1
21:00	6	-5.3	
21:30			6.2
22:00		-4.9	
22:30			6.7
25:00	7	-6.8	
25:30			1.4
26:00		-6.6	
26:30			2.1
29:00	8	-8.1	
29:30			10.0
30:00		-8.2	
30:30			11.0

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:27 BDAY:7/23/72 AGE:18
DATE:4/7/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	5	0	-5	5	5	5	0	-5	-10	-10	-10	0
POST	0	5	5	0	-5	10	10	0	-5	0	-10	-5	-5	-5

130 dB			
		4K	6K
BASELINE		-6.3	4.0
TIME	EXP #		
1:00	1	-7.4	
1:30			8.8
2:00		-6.7	
2:30			11.9
5:00	2	-7.7	
5:30			1.6
6:00		-7.7	
6:30			3.6
9:00	3	-7.8	
9:30			2.4
10:00		-7.3	
10:30			2.4
13:00	4	-5.1	
13:30			11.5
14:00		-4.6	
14:30			11.9

130 dB..cont			
		4K	6K
BASELINE		-6.3	4.0
TIME	EXP #		
17:00	5	-6.7	
17:30			5.4
18:00		-6.4	
18:30			6.3
21:00	6	-7.0	
21:30			7.4
22:00		-5.7	
22:30			8.5
25:00	7	-7.6	
25:30			9.5
26:00		-6.5	
26:30			9.4
29:00	8	-7.1	
29:30			12.5
30:00		-4.2	
30:30			11.7

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:28 BDAY:11/27/71 AGE:19
DATE:3/31/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	5	10	10	15	10	0	5	0	5	10	10	0
POST	0	5	5	15	10	20	15	0	0	0	5	10	10	5

125 dB			
		4K	6K
BASELINE		8.1	12.3
TIME	EXP #		
1:00	1	9.0	
1:30			7.5
2:00		8.4	
2:30			9.1
5:00	2	6.1	
5:30			6.6
6:00		6.3	
6:30			7.6
9:00	3	7.4	
9:30			7.8
10:00		4.2	
10:30			6.7
13:00	4	7.7	
13:30			6.1
14:00		5.5	
14:30			4.7

125 dB..cont			
		4K	6K
BASELINE		8.1	12.3
TIME	EXP #		
17:00	5	8.3	
17:30			9.7
18:00		6.0	
18:30			10.2
21:00	6	9.0	
21:30			11.1
22:00		9.0	
22:30			8.7
25:00	7	5.9	
25:30			7.5
26:00		6.0	
26:30			7.2
29:00	8	8.2	
29:30			10.6
30:00		8.8	
30:30			9.8

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:28 BDAY:11/27/71 AGE:19
DATE:4/6/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	10	10	15	10	0	0	0	0	5	5	0
POST	-5	5	5	15	10	15	10	-5	5	-5	5	5	5	0

130 dB			
		4K	6K
BASELINE		10.7	6.7
TIME	EXP #		
1:00	1	11.0	
1:30			5.0
2:00		10.7	
2:30			6.9
5:00	2	10.5	
5:30			3.5
6:00		10.1	
6:30			6.7
9:00	3	10.3	
9:30			11.1
10:00		11.1	
10:30			11.1
13:00	4	14.0	
13:30			8.9
14:00		12.1	
14:30			8.4

130 dB..cont			
		4K	6K
BASELINE		10.7	6.7
TIME	EXP #		
17:00	5	10.0	
17:30			10.5
18:00		11.4	
18:30			11.6
21:00	6	6.7	
21:30			9.3
22:00		7.0	
22:30			10.9
25:00	7	10.0	
25:30			13.3
26:00		8.1	
26:30			10.3
29:00	8	9.6	
29:30			12.3
30:00		8.3	
30:30			11.5

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:29 BDAY:10/23/65 AGE:25
DATE: 4/8/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	10	0	0	-5	-5	0	0	-5	-10	-5	0	-10
POST	-10	0	5	-5	-5	-10	-5	0	0	-5	-10	-10	-5	-10

125 dB			
		4K	6K
BASELINE		-4.1	-12.4
TIME	EXP #		
1:00	1	-0.3	
1:30			-16.0
2:00		-0.6	
2:30			-15.3
5:00	2	1.5	
5:30			-7.3
6:00		0.6	
6:30			-7.0
9:00	3	-0.9	
9:30			-12.8
10:00		-0.3	
10:30			-11.7
13:00	4	1.3	
13:30			-9.6
14:00		1.4	
14:30			-8.0

125 dB..cont			
		4K	6K
BASELINE		-4.1	-12.4
TIME	EXP #		
17:00	5	1.8	
17:30			-16.1
18:00		2.1	
18:30			-9.3
21:00	6	2.6	
21:30			-8.3
22:00		0.8	
22:30			-8.3
25:00	7	0.9	
25:30			-8.6
26:00		0.5	
26:30			-8.6
29:00	8	0.8	
29:30			-11.1
30:00		1.4	
30:30			-10.1

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:29 BDAY:10/23/65 AGE:25
DATE: 4/10/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-10	0	5	0	-5	-5	-5	-5	0	-5	-10	-10	0	0
POST	-10	0	10	0	-5	0	0	0	-5	-5	-10	-10	-5	-5

130 dB			
		4K	6K
BASELINE		-5.4	-13.3
TIME	EXP #		
1:00	1	0.8	
1:30			-8.2
2:00		2.8	
2:30			-10.5
5:00	2	1.1	
5:30			-13.4
6:00		2.4	
6:30			-11.2
9:00	3	-3.3	
9:30			-16.7
10:00		-3.6	
10:30			-19.5
13:00	4	1.1	
13:30			-13.3
14:00		1.3	
14:30			-12.7

130 dB..cont			
		4K	6K
BASELINE		-5.4	-13.3
TIME	EXP #		
17:00	5	4.3	
17:30			-7.5
18:00		1.5	
18:30			-6.0
21:00	6	-2.4	
21:30			-13.8
22:00		-4.5	
22:30			-15.0
25:00	7	0.8	
25:30			-6.5
26:00		-0.2	
26:30			-5.6
29:00	8	3.4	
29:30			-9.1
30:00		3.0	
30:30			-13.8

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:30 BDAY:10/13/70 AGE:21
DATE: 12/16/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	5	0	-5	0	5	-5	-5	5	-5	0
POST	-5	-5	-5	0	5	0	-10	0	5	-5	-5	0	-5	-10

125 dB			
		4K	6K
BASELINE		-2.2	-3.5
TIME	EXP #		
1:00	1	-0.6	
1:30			-12.9
2:00		-1.7	
2:30			-11.6
5:00	2	-0.9	
5:30			-7.4
6:00		0.8	
6:30			-7.2
9:00	3	-2.2	
9:30			-9.7
10:00		-0.7	
10:30			-14.0
13:00	4	-1.6	
13:30			-9.5
14:00		-1.0	
14:30			-9.1

125 dB..cont			
		4K	6K
BASELINE		-2.2	-3.5
TIME	EXP #		
17:00	5	-0.3	
17:30			-10.6
18:00		0.4	
18:30			-10.5
21:00	6	-1.0	
21:30			-11.1
22:00		-2.0	
22:30			-11.9
25:00	7	0.8	
25:30			-5.3
26:00		0.7	
26:30			-2.5
29:00	8	-1.4	
29:30			-5.9
30:00		-2.9	
30:30			-4.1

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:32 BDAY:12/5/66 AGE:24
DATE:9/13/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	5	0	-5	5	10	5	5	0	-5	0	5	NC
POST	-5	5	0	0	-10	10	10	5	0	0	-5	-5	0	5

125 dB			
		4K	6K
BASELINE		-4.7	-7.5
TIME	EXP #		
1:00	1	-5.0	
1:30			-1.0
2:00		-6.5	
2:30			-1.5
5:00	2	-2.8	
5:30			0.5
6:00		-2.0	
6:30			-1.8
9:00	3	-3.6	
9:30			3.5
10:00		-4.6	
10:30			1.0
13:00	4	-5.1	
13:30			3.0
14:00		-4.4	
14:30			-1.8

125 dB..cont			
		4K	6K
BASELINE		-4.7	-7.5
TIME	EXP #		
17:00	5	0.9	
17:30			2.3
18:00		-4.7	
18:30			-7.5
21:00	6	2.2	
21:30			-5.5
22:00		1.3	
22:30			-6.0
25:00	7	-0.7	
25:30			-1.6
26:00		-3.2	
26:30			-2.3
29:00	8	-3.0	
29:30			-2.6
30:00		-0.5	
30:30			3.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:32 BDAY:12/5/66 AGE:24
DATE: 9/25/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	0	-5	-5	10	15	5	10	0	-5	0	0	0
POST	-5	0	0	0	0	10	15	0	5	0	-5	-5	5	0

130 dB			
		4K	6K
BASELINE		0.7	-12.1
TIME	EXP #		
1:00	1	-6.6	
1:30			-0.3
2:00		-6.4	
2:30			0.0
3:00			2.2
3:30			0.9
4:00			0.3
4:30			0.3
5:00			0.3
5:30			3.0
6:00			5.6
6:30			2.6
7:00			4.6
7:30			3.0
8:00			3.7
8:30			5.4

130 dB..cont			
		4K	6K
BASELINE		0.7	-12.1
TIME	EXP #		
9:00	1		2.0
9:30			3.3
10:00			3.0
10:30			4.1
Unknown		-5.8	
:30			-8.1
1:00		-4.4	
1:30			-10.2
2:00		-7.2	
2:30			-7.3
3:00		-5.4	
3:30			-9.3
4:00		-4.4	
4:30			-11.5
5:00		-8.5	
5:30			-9.0

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:32 BDAY:12/5/66 AGE:24
DATE: 10/30/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	5	0	-5	5	5	5	10	0	0	5	0	5
POST	0	5	0	0	-5	10	5	5	5	0	-5	0	0	0

130 dB			
		4K	6K
BASELINE		-12.4	0.8
TIME	EXP #		
1:00	1	-11.6	
1:30			1.4
2:00		-10.9	
2:30			-0.5
5:00	2	-15.7	
5:30			-3.0
6:00		-16.0	
6:30			1.0
9:00	3	-11.4	
9:30			-1.2
10:00		-13.8	
10:30			2.0
13:00	4	-12.9	
13:30			-1.2
14:00		-13.0	
14:30			-1.

130 dB..cont			
		4K	6K
BASELINE		-12.4	0.8
TIME	EXP #		
17:00	5	-11.5	
17:30			2.4
18:00		-13.8	
18:30			0.3
21:00	6	-12.5	
21:30			-2.3
22:00		-12.2	
22:30			2.1
25:00	7	-10.6	
25:30			-0.8
26:00		-9.1	
26:30			-0.2
29:00	8	-8.0	
29:30			-2.9
30:00		-8.7	
30:30			-4.3

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:33 BDAY:12/13/55 AGE:35
DATE: 9/13/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	0	5	-10	5	15	-5	0	10	0	-5	5	0
POST	-5	5	10	5	-10	5	15	0	5	10	0	0	0	5

125 dB			
		4K	6K
BASELINE		4.9	-10.8
TIME	EXP #		
1:00	1	0.3	
1:30			-11.6
2:00		-0.1	
2:30			-13.3
5:00	2	-0.1	
5:30			-11.7
6:00		-1.4	
6:30			-11.4
9:00	3	-0.7	
9:30			-17.1
10:00		-2.6	
10:30			-12.9
13:00	4	4.0	
13:30			-8.3
14:00		5.3	
14:30			-9.9

125 dB..cont			
		4K	6K
BASELINE		4.9	-10.8
TIME	EXP #		
17:00	5	1.8	
17:30			-9.7
18:00		2.1	
18:30			-10.9
21:00	6	5.1	
21:30			-8.1
22:00		4.5	
22:30			-6.3
25:00	7	2.0	
25:30			-9.8
26:00		1.4	
26:30			-8.7
29:00	8	4.6	
29:30			-12.4
30:00		-0.8	
30:30			-11.0

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:33 BDAY:12/13/55 AGE:35
DATE: 10/15/91

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	10	10	-10	5	25	0	0	5	5	-5	0	5
POST	-10	0	0	5	-10	5	20	-5	0	10	0	-5	0	5

130 dB			
		4K	6K
BASELINE		1.7	-7.6
TIME	EXP #		
1:00	1	5.9	
1:30			-10.9
2:00		6.4	
2:30			-13.2
5:00	2	4.0	
5:30			-14.4
6:00		3.3	
6:30			-14.0
9:00	3	0.8	
9:30			-11.4
10:00		-0.1	
10:30			-12.6
13:00	4	-2.7	
13:30			-13.5
14:00		-2.7	
14:30			-13.0

130 dB..cont			
		4K	6K
BASELINE		1.7	-7.6
TIME	EXP #		
17:00	5	-0.4	
17:30			-12.1
18:00		-1.9	
18:30			-12.6
21:00	6	3.3	
21:30			-9.0
22:00		1.3	
22:30			-9.0
25:00	7	1.8	
25:30			-13.0
26:00		-0.3	
26:30			-11.3
29:00	8	2.0	
29:30			-10.1
30:00		2.6	
30:30			-9.2

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:34 BDAY:6/15/69 AGE:22
DATE:3/23/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	10	5	10	5	15	10	5	10	10	5	5	-10	0
POST	5	10	15	10	10	15	15	10	10	5	5	0	10	5

125 dB			
		4K	6K
BASELINE		8.0	9.0
TIME	EXP #		
1:00	1	6.9	
1:30			5.5
2:00		9.0	
2:30			5.4
5:00	2	8.1	
5:30			9.6
6:00		11.1	
6:30			13.5
9:00	3	9.7	
9:30			8.1
10:00		10.2	
10:30			9.3
13:00	4	7.0	
13:30			10.6
14:00		9.9	
14:30			9.1

125 dB..cont			
		4K	6K
BASELINE		8.0	9.0
TIME	EXP #		
17:00	5	10.6	
17:30			4.2
18:00		10.0	
18:30			6.3
21:00	6	9.4	
21:30			15.1
22:00		7.6	
22:30			15.2
25:00	7	7.9	
25:30			7.7
26:00		8.3	
26:30			7.7
29:00	8	8.2	
29:30			9.1
30:00		8.5	
30:30			11.4

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:34 BDAY:6/15/69 AGE:22
DATE:3/24/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	5	5	15	10	0	5	5	5	15	5	0	0	5
POST	5	15	10	15	20	20	20	5	10	10	10	5	5	10

130 dB			
		4K	6K
BASELINE		9.4	10.2
TIME	EXP #		
1:00	1	10.8	
1:30			10.5
2:00		12.8	
2:30			9.3
5:00	2	11.3	
5:30			6.9
6:00		12.7	
6:30			7.4
9:00	3	10.3	
9:30			12.0
10:00		10.0	
10:30			13.6
13:00	4	8.2	
13:30			8.1
14:00		9.8	
14:30			9.4

130 dB..cont			
		4K	6K
BASELINE		9.4	10.2
TIME	EXP #		
17:00	5	10.1	
17:30			4.1
18:00		9.4	
18:30			4.8
21:00	6	8.8	
21:30			5.8
22:00		10.3	
22:30			10.0
25:00	7	9.6	
25:30			5.9
26:00		11.4	
26:30			6.8
29:00	8	8.9	
29:30			5.6
30:00		10.3	
30:30			7.2

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:35 BDAY:7/12/73 AGE:18
DATE:3/24/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	0	-5	5	-5	0	5	-10	-5	-5	5	0
POST	-5	0	-5	0	0	0	-5	0	5	-5	-5	0	0	0

125 dB			
		4K	6K
BASELINE		-3.4	1.4
TIME	EXP #		
1:00	1	-0.3	
1:30			-0.3
2:00		-0.8	
2:30			-0.4
5:00	2	-1.9	
5:30			1.4
6:00		-0.9	
6:30			1.8
9:00	3	-2.2	
9:30			1.0
10:00		-2.7	
10:30			3.0
13:00	4	-1.2	
13:30			2.8
14:00		-0.9	
14:30			1.9

125 dB..cont			
		4K	6K
BASELINE		-3.4	1.4
TIME	EXP #		
17:00	5	-3.1	
17:30			1.9
18:00		-1.5	
18:30			1.6
21:00	6	-2.3	
21:30			-0.8
22:00		-2.4	
22:30			-0.3
25:00	7	-0.1	
25:30			5.3
26:00		-1.2	
26:30			5.1
29:00	8	-1.9	
29:30			4.3
30:00		-0.3	
30:30			4.9

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:35 BDAY:7/12/73 AGE:18
DATE: 3/25/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	5	-5	0	-5	5	-5	5	5	-5	0	0	5	-5
POST	-5	0	-5	0	-5	0	-5	0	5	-10	-5	-5	0	-5

130 dB			
		4K	6K
BASELINE		-4.4	-2.7
TIME	EXP #		
1:00	1	-3.3	
1:30			-3.8
2:00		-4.5	
2:30			-2.9
5:00	2	-3.3	
5:30			-8.2
6:00		-1.3	
6:30			-7.2
9:00	3	-1.0	
9:30			-7.3
10:00		-1.6	
10:30			-6.3
13:00	4	-1.9	
13:30			-9.3
14:00		-3.8	
14:30			-8.0

130 dB..cont			
		4K	6K
BASELINE		-4.4	-2.7
TIME	EXP #		
17:00	5	-3.6	
17:30			10.4
18:00		-3.0	
18:30			7.3
22:00		-4.8	
22:30			6.5
23:00		-2.4	
23:30			5.1
24:00		-4.7	
24:30			5.4
25:30		-3.6	
26:00			3.8
26:30		-4.1	
27:00			2.2
27:30		-3.0	
28:00			1.6

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:35 BDAY:7/12/73 AGE:18
DATE: 5/29/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	5	-5	5	5	-5	0	0	5	-5	0	5	5	0
POST	-5	0	-5	5	05	-5	0	0	5	-5	-5	0	0	-5

130 dB			
		4K	6K
BASELINE		-0.0	0.4
TIME	EXP #		
1:00	1	2.3	
1:30			7.5
2:00		0.7	
2:30			10.0
5:00	2	2.4	
5:30			3.8
6:00		2.6	
6:30			4.8
9:00	3	1.3	
9:30			4.7
10:00		0.7	
10:30			5.6
13:00	4	2.4	
13:30			-0.7
14:00		1.8	
14:30			0.4

130 dB..cont			
		4K	6K
BASELINE		-0.0	0.4
TIME	EXP #		
17:00	5	-0.8	
17:30			6.0
18:00		-0.7	
18:30			6.6
21:00	6	1.1	
21:30			2.1
22:00		-0.3	
22:30			2.0
25:00	7	1.6	
25:30			0.1
26:00		1.7	
26:30			0.5
29:00	8	1.3	
29:30			-3.6
30:00		-0.8	
30:30			-4.7

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:36 BDAY:1/18/73 AGE:19
DATE:3/26/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	-5	-5	-10	5	5	0	0	-5	-5	-5	0	0
POST	-5	0	-5	-5	-10	5	5	0	-5	-5	-5	0	0	-5

125 dB			
		4K	6K
BASELINE		-7.2	-3.1
TIME	EXP #		
1:00	1	-6.0	
1:30			-7.1
2:00		-6.0	
2:30			-6.6
5:00	2	-7.0	
5:30			-2.3
6:00		-7.8	
6:30			-2.6
9:00	3	-9.3	
9:30			-7.8
10:00		-11.3	
10:30			-7.0
13:00	4	-11.5	
13:30			-11.3
14:00		-10.0	
14:30			-6.0

125 dB..cont			
		4K	6K
BASELINE		-7.2	-3.1
TIME	EXP #		
17:00	5	-6.9	
17:30			-3.1
18:00		-6.9	
18:30			-3.0
21:00	6	-9.6	
21:30			-6.8
22:00		-8.6	
22:30			-8.0
25:00	7	-15.8	
25:30			-6.8
26:00		-11.5	
26:30			-8.7
29:00	8	-12.5	
29:30			-10.8
30:00		-10.0	
30:30			-6.8

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:36 BDAY:1/18/73 AGE:19
DATE:4/8/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	0	-5	-5	5	5	5	0	0	-5	5	5	-5
POST	-5	0	-5	-5	-10	0	5	5	0	-5	-5	-5	0	-10

130 dB			
		4K	6K
BASELINE		-10.7	-3.0
TIME	EXP #		
1:00	1	-11.8	
1:30			-5.3
2:00		-7.9	
2:30			-2.3
5:00	2	-12.1	
5:30			-2.9
6:00		-11.0	
6:30			-3.6
9:00	3	-5.6	
9:30			2.3
10:00		-6.7	
10:30			-1.1
13:00	4	-12.3	
13:30			-3.1
14:00		-9.6	
14:30			-3.1

130 dB..cont			
		4K	6K
BASELINE		-10.7	-3.0
TIME	EXP #		
17:00	5	-8.9	
17:30			1.9
18:00		-9.9	
18:30			0.7
21:00	6	-8.9	
21:30			-2.8
22:00		-12.6	
22:30			-2.5
25:00	7	-9.7	
25:30			-3.2
26:00		-9.3	
26:30			-3.6
29:00	8	-10.4	
29:30			-7.4
30:00		-6.1	
30:30			-3.7

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:37 BDAY:2/2/68 AGE:24
DATE: 3/27/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	10	5	0	0	10	5	5	0	5	-5	0	5	5
POST	0	0	0	0	-5	0	0	5	0	0	-5	-5	5	-5

125 dB			
		4K	6K
BASELINE		-2.4	-3.7
TIME	EXP #		
1:00	1	-2.1	
1:30			0.3
2:00		-2.1	
2:30			0.7
5:00	2	-1.6	
5:30			-0.7
6:00		-1.8	
6:30			1.3
9:00	3	-2.6	
9:30			-1.5
10:00		-1.8	
10:30			-0.5
13:00	4	-4.4	
13:30			1.7
14:00		-4.1	
14:30			2.9

125 dB..cont			
		4K	6K
BASELINE		-2.4	-3.7
TIME	EXP #		
17:00	5	-6.9	
17:30			-0.9
18:00		-4.7	
18:30			-0.9
21:00	6	-5.8	
21:30			-1.4
22:00		-5.3	
22:30			-2.0
25:00	7	-2.9	
25:30			-0.4
26:00		-1.5	
26:30			-1.5
29:00	8	-2.3	
29:30			-0.3
30:00		-1.1	
30:30			-0.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:37 BDAY:2/2/68 AGE:24
DATE: 3/30/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	0	5	0	0	5	0	0	5	0	-5	0	5	0
POST	-5	5	0	0	0	5	5	0	0	0	-5	-5	5	0

130 dB			
		4K	6K
BASELINE		0.5	1.1
TIME	EXP #		
1:00	1	-0.3	
1:30			-1.3
2:00		0.2	
2:30			0.5
5:00	2	-2.7	
5:30			0.5
6:00		-3.2	
6:30			-0.8
9:00	3	2.4	
9:30			1.2
10:00		1.3	
10:30			0.8
13:00	4	1.9	
13:30			0.9
14:00		1.4	
14:30			0.6

130 dB..cont			
		4K	6K
BASELINE		0.5	1.1
TIME	EXP #		
17:00	5	-2.0	
17:30			3.6
18:00		-2.0	
18:30			3.3
21:00	6	0.5	
21:30			0.7
22:00		-0.1	
22:30			-0.3
25:00	7	0.0	
25:30			-0.6
26:00		-1.7	
26:30			-0.9
29:00	8	-0.9	
29:30			-1.3
30:00		-1.8	
30:30			-2.5

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:38 BDAY:3/23/72 AGE:20
DATE: 5/28/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	10	0	5	5	0	15	5	5	10	0	5	5	5
POST	0	10	0	0	5	0	15	5	5	10	5	5	15	5

125 dB			
		4K	6K
BASELINE		4.1	-15.3
TIME	EXP #		
1:00	1	3.5	
1:30			-5.0
2:00		1.6	
2:30			-7.2
3:00			-5.2
3:30			-5.8
4:00			-7.8
4:30			-7.0
5:00			-8.8
5:30			-6.3
6:00			-4.0
6:30			-6.0
7:00			-4.4
7:30			-6.0
8:00			-6.4
8:30			-6.3

125 dB..cont			
		4K	6K
BASELINE		4.1	-15.3
TIME	EXP #		
9:00	1		-3.9
9:30			-4.9
10:00			-4.7
10:30			-6.1

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:38 BDAY:3/23/72 AGE:20
DATE: 5/29/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	10	5	5	5	-10	0	5	5	5	5	5	0	5
POST	0	10	0	0	5	0	5	0	0	5	0	5	5	0

125 dB			
		4K	6K
BASELINE		1.7	-15.5
TIME	EXP #		
1:00	1	1.3	
1:30			-16.5
2:00		0.3	
2:30			-11.0
5:00	2	2.0	
5:30			-13.3
6:00		4.4	
6:30			-13.5
9:00	3	2.8	
9:30			-14.3
10:00		0.4	
10:30			-10.6
13:00	4	2.4	
13:30			-14.4
14:00		2.7	
14:30			-16.5

125 dB..cont			
		4K	6K
BASELINE		1.7	-15.5
TIME	EXP #		
17:00	5	3.1	
17:30			-10.9
18:00		4.0	
18:30			-9.2
21:00	6	2.1	
21:30			-19.8
22:00		0.8	
22:30			-17.2
25:00	7	3.0	
25:30			-12.3
26:00		4.8	
26:30			-12.6
29:00	8	1.3	
29:30			-13.4
30:00		3.4	
30:30			-15.3

MULTIPLE FLYOVER AT 130B
SUBJECT #:38 BDAY:3/23/72 AGE:20
DATE: 6/3/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	5	5	5	5	5	0	0	0	0	10	5	5	0	0
POST	0	10	0	0	0	0	10	0	5	5	0	5	-5	0

130 dB			
		4K	6K
BASELINE		4.3	-8.8
TIME	EXP #		
1:00	1	1.5	
1:30			-15.4
2:00		4.0	
2:30			-9.4
5:00	2	5.6	
5:30			-7.5
6:00		2.8	
6:30			-8.0
9:00	3	3.7	
9:30			-12.5
10:00		3.0	
10:30			-12.5
13:00	4	4.6	
13:30			-15.5
14:00		7.4	
14:30			-11.6

130 dB..cont			
		4K	6K
BASELINE		4.3	-8.8
TIME	EXP #		
17:00	5	2.7	
17:30			-13.7
18:00		0.7	
18:30			-13.7
21:00	6	6.3	
21:30			-6.8
22:00		8.0	
22:30			-6.1
25:00	7	3.9	
25:30			-14.0
26:00		0.8	
26:30			-14.6
29:00	8	3.3	
29:30			-15.4
30:00		1.8	
30:30			-16.0

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:39 BDAY:7/30/62 AGE:29
DATE: 5/5/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	15	10	5	15	10	0	0	0	5	5	10	15	-5
POST	0	15	5	5	10	10	0	0	0	5	5	5	10	-5

125 dB			
		4K	6K
BASELINE		4.9	8.9
TIME	EXP #		
1:00	1	10.9	
1:30			8.5
2:00		9.4	
2:30			7.9
5:00	2	8.0	
5:30			8.1
6:00		8.4	
6:30			10.3
9:00	3	11.7	
9:30			8.0
10:00		10.3	
10:30			7.6
13:00	4	13.5	
13:30			8.2
14:00		12.2	
14:30			8.2

125 dB..cont			
		4K	6K
BASELINE		4.9	8.9
TIME	EXP #		
17:00	5	8.8	
17:30			3.9
18:00		7.6	
18:30			4.4
21:00	6	9.8	
21:30			6.3
22:00		9.3	
22:30			9.9
25:00	7	6.6	
25:30			10.9
26:00		6.8	
26:30			9.6
29:00	8	6.1	
29:30			17.2
30:00		5.3	
30:30			17.0

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:39 BDAY:7/30/62 AGE:29
DATE: 5/7/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	15	5	5	10	10	0	5	5	5	0	10	10	-10
POST	0	15	10	5	10	10	0	5	5	10	5	5	15	-5

130 dB			
		4K	6K
BASELINE		5.2	4.0
TIME	EXP #		
1:00	1	6.7	
1:30			5.5
2:00		6.2	
2:30			5.4
5:00	2	7.7	
5:30			5.3
6:00		7.7	
6:30			13.5
9:00	3	6.0	
9:30			9.4
10:00		6.3	
10:30			11.1
13:00	4	8.8	
13:30			18.5
14:00		8.9	
14:30			21.9

130 dB..cont			
		4K	6K
BASELINE		5.2	4.0
TIME	EXP #		
15:00	4		21.4
15:30			21.9
16:00			22.0
16:30			21.9
17:00			19.7
17:30			21.9
18:00			22.3
18:30			21.3
19:00			21.0
19:30			21.2
20:00			17.7
20:30			20.6
21:00			22.2
21:30			22.2
22:00			20.6
22:30			21.2

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:39 BDAY:7/30/62 AGE:29
DATE: 5/7/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	15	5	5	10	10	0	5	5	5	0	10	10	-10
POST	0	15	10	5	10	10	0	5	5	10	5	5	15	-5

130 dB..cont			
		4K	6K
BASELINE		5.2	4.0
TIME	EXP #		
36:30	4	6.2	
38:00			18.8
38:30		7.6	
39:00			16.2
39:30		7.0	
40:00			17.5
40:30		6.4	
41:00			17.1
41:30		6.1	
42:00			14.7
42:30		5.7	
43:00			16.8
1:32:00		2.9	
1:32:30			4.8
1:33:00		2.5	
1:33:30			6.9

130 dB..cont			
		4K	6K
BASELINE		5.2	4.0
TIME	EXP #		
1:34:00	4	4.0	
1:34:30			7.7
1:35:00		4.0	
1:35:30			5.8
1:36:00		2.8	
1:36:30			7.4
1:37:00		4.9	
1:37:30			7.9

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:39 BDAY:7/30/62 AGE:29
DATE: 6/9/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	15	5	5	5	10	10	0	0	5	5	10	15	-10
POST	0	15	10	10	15	10	5	5	5	5	10	10	20	0

130 dB			
		4K	6K
BASELINE		9.7	2.3
TIME	EXP #		
1:00	1	6.9	
1:30			9.5
2:00		6.7	
2:30			13.3
3:00			14.3
3:30			13.1
4:00			13.8
4:30			13.3
5:00			14.0
5:30			16.6
6:00			16.6
6:30			15.8
7:00			18.7
7:30			19.7
8:00			19.0
8:30			18.7

130 dB..cont			
		4K	6K
BASELINE		9.7	2.3
TIME	EXP #		
9:00	1		23.0
9:30			21.1
10:00			20.8
10:30			22.1
28:30		5.0	
29:00			7.1
29:30		2.7	
30:00			10.3
30:30		2.8	
31:00			9.5
31:30		3.7	
32:00			14.9
32:30		4.9	
33:00			14.9
33:30		5.9	
34:00			14.9

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:39 BDAY:7/30/62 AGE:29
DATE: 6/9/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	15	5	5	5	10	10	0	0	5	5	10	15	-10
POST	0	15	10	10	15	10	5	5	5	5	10	10	20	0

130 dB..cont			
		4K	6K
BASELINE		9.7	2.3
TIME	EXP #		
37:00	1	7.6	
37:30			13.1
38:00		10.7	
38:30			13.0
39:00		7.8	
39:30			15.1
40:00		11.8	
40:30			12.8
41:00		8.8	
41:30			12.5
42:00		9.6	
42:30			11.3
4:23:00		13.2	
4:23:30			3.9
4:24:00		15.4	
4:24:30			2.6

130 dB..cont			
		4K	6K
BASELINE		9.7	2.3
TIME	EXP #		
4:25:00	1	13.6	
4:25:30			4.6
4:26:00		12.5	
4:26:30			3.3
4:27:00		14.3	
4:27:30			4.1
4:28:00		14.2	
4:28:30			4.9
4:30:30		5.1	
4:31:00			7.9
4:31:30		3.0	
4:32:00			8.3
4:32:30		5.4	
4:33:00			8.1
4:33:30		3.5	
4:34:00			9.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:39 BDAY:7/30/62 AGE:29
DATE: 6/9/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	-5	15	5	5	5	10	10	0	0	5	5	10	15	-10
POST	0	15	10	10	15	10	5	5	5	5	10	10	20	0

130 dB..cont			
		4K	6K
BASELINE		9.7	2.3
TIME	EXP #		
4:34:30	1	5.4	
4:35:00			8.7
4:35:30		7.1	
4:36:00			11.0

MULTIPLE FLYOVER AT 125 dB
SUBJECT #:40 BDAY:5/13/73 AGE:18
DATE: 5/12/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	0	5	10	0	-5	5	5	0	-5	-5	5	-10
POST	0	0	0	5	10	5	-10	5	5	5	-5	0	0	-10

125 dB			
		4K	6K
BASELINE		13.6	-1.3
TIME	EXP #		
1:00	1	17.7	
1:30			0.4
2:00		16.4	
2:30			2.4
5:00	2	12.4	
5:30			-1.3
6:00		10.9	
6:30			-0.5
9:00	3	12.1	
9:30			-1.0
10:00		16.0	
10:30			-1.4
13:00	4	12.9	
13:30			-2.1
14:00		10.1	
14:30			-1.6

125 dB..cont			
		4K	6K
BASELINE		13.6	-1.3
TIME	EXP #		
17:00	5	9.1	
17:30			-3.6
18:00		8.7	
18:30			-1.9
21:00	6	9.6	
21:30			-2.4
22:00		10.0	
22:30			-3.3
25:00	7	9.9	
25:30			-2.2
26:00		10.0	
26:30			-1.5
29:00	8	13.8	
29:30			-1.6
30:00		12.0	
30:30			-1.3

MULTIPLE FLYOVER AT 130 dB
SUBJECT #:40 BDAY:5/13/73 AGE:18
DATE: 5/13/92

	RIGHT EAR							LEFT EAR						
Hz	500	1K	2K	3K	4K	6K	8K	500	1K	2K	3K	4K	6K	8K
PRE	0	0	5	0	5	5	-10	5	5	0	-5	0	5	-10
POST	-5	0	0	5	5	5	-10	0	5	5	-5	0	0	-10

130 dB			
		4K	6K
BASELINE		9.6	-3.8
TIME	EXP #		
1:00	1	10.3	
1:30			-5.0
2:00		12.7	
2:30			-4.6
5:00	2	11.6	
5:30			-3.7
6:00		13.3	
6:30			-1.7
9:00	3	12.2	
9:30			-3.5
10:00		10.4	
10:30			-2.9
13:00	4	10.6	
13:30			-2.8
14:00		11.7	
14:30			-2.4

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